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JAN 16 1925

# HARNDEN'S

1925 SEED ANNUAL 39th Year



## THE HARNDEN SEED CO.

505 WALNUT ST.

Established 1886

KANSAS CITY, MO.



# REFERENCE TABLES

Number of Plants to the Acre at Given Distances

Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants
12x 1 In.....	522,720	24x24 In.....	10,890	36x36 In.....	4,840	60x60 In.....	1,743
12x 3 In.....	174,240	30x 1 In.....	109,088	42x12 In.....	12,446	8x 1 Ft.....	5,445
12x12 In.....	43,560	30x 6 In.....	34,848	42x24 In.....	6,223	8x 3 Ft.....	1,815
16x 1 In.....	392,040	30x12 In.....	17,424	42x36 In.....	4,148	8x 8 Ft.....	680
18x 1 In.....	348,480	30x16 In.....	13,068	48x12 In.....	10,890	10x 1 Ft.....	4,356
18x 3 In.....	116,160	30x20 In.....	10,454	48x18 In.....	7,790	10x 6 Ft.....	726
18x12 In.....	29,040	30x24 In.....	8,712	48x24 In.....	5,445	10x10 Ft.....	435
18x18 In.....	19,360	30x30 In.....	6,970	48x30 In.....	4,356	12x 1 Ft.....	3,630
20x 1 In.....	313,635	36x 3 In.....	58,080	48x36 In.....	3,630	12x 5 Ft.....	736
20x20 In.....	15,681	36x12 In.....	14,520	48x48 In.....	2,723	12x12 Ft.....	302
24x 1 In.....	261,360	36x18 In.....	9,680	60x36 In.....	2,901	16x 1 Ft.....	2,722
24x18 In.....	15,520	36x24 In.....	7,260	60x48 In.....	2,178	16x16 Ft.....	170

FARM SEEDS

Number of Pounds to the Bushel  
No. Lbs. per Bu.

Alfalfa .....	60
Barley .....	48
Bermuda Grass .....	40
Blue Grass, English.....	20
Blue Grass, Ky., Pasture.....	14
Blue Grass, Ky., Lawns.....	14
Bromus Inermus.....	14
Broomcorn .....	46
Buckwheat .....	52
Cane .....	50
Clover, Alsike.....	60
Clover, Crimson.....	50
Clover, Medium Rcd.....	60
Clover, Sweet.....	60
Clover, White.....	60
Corn, Field, Shelled.....	56
Corn, Pop .....	60
English Rye Grass.....	20
Feterita .....	60
Flax Peas.....	60
Field .....	56
Flax .....	20
Italian Rye Grass.....	25
Johnson Grass.....	50
Kaffir Corn.....	50
Millet .....	20
Mixed Lawn Grass.....	32
Oats .....	14
Orchard Grass.....	14
Rape Dwarf Essex.....	14
Red Top, Solid Seed.....	56
Rye .....	45
Timothy .....	60
Soy Beans.....	60
Sudan Grass.....	60

Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre

Quantity per Acre	Quantity per Acre	Quantity per Acre
Artichoke, 1 oz. to 500 plants..... 6 oz.	Grass, Orchard, Perennial Rye and Wood Meadow.....25 to 35 lbs.	
Asparagus, 1 oz. to 800 plants.... 4 lbs.	Hemp .....25 lbs.	
Asparagus Roots.....1000 to 7250	Horse Radish Roots.....10,000 to 15,000	
Barley .....120 lbs.	Kale, 1 oz. to 5,000 plants, or 200 feet of drill	
Beans, Dwarf, 1 lb. to 100 ft. of drill 60 lbs.	Kohl Rabi, ½ oz. to 100 ft. of drill 4 lbs.	
Beans, Pole, 1 lb. to 100 hills.....30 lbs.	Leek, ½ oz. to 100 ft. of drill..... 4 lbs.	
Beet, Garden, 1 oz. to 100 ft. of drill 7 lbs.	Lettuce, ¼ oz. to 100 ft. of drill.. 3 lbs.	
Beet, Mangel, 1 oz. to 100 ft. of drill 5 lbs.	Melon, Musk, 1 oz. to 100 hills.1 to 3 lbs.	
Broccoli, 1 oz. to 5,000 plants..... 2 oz.	Melon, Water, 4 oz. to 100 hills 1½ to 4 lbs.	
Brussels Sprouts, 1 oz. to 5,000 plants .....	Nasturtium, 2 oz. to 100 ft. of drill.15 lbs.	
Buckwheat.....15 to 25 lbs.	Okra, 1 oz. to 100 ft. of drill..... 8 lbs.	
Cabbage, 1 oz. to 5,000 plants	Onion Seed, ½ oz. to 100 ft. of drill .....	4 to 5 lbs.
Carrot, ¼ oz. to 100 feet of drill.. 2½ lbs.	Onion Sets for sets.....40 to 80 lbs.	
Cauliflower, 1 oz. to 5,000 plants	Onion Sets, 2 lbs. to 40 ft. of drill.250 lbs.	
Celery, 1 oz. to 15,000 plants	Parsnip, ¼ oz. to 100 ft. of drill.. 3 lbs.	
Chicory .....	Parsley, ¼ oz. to 100 ft. of drill.. 3 lbs.	
Clover, Alsike .....	Peas, Garden, 1 lb. to 100 ft. of drill .....	55 to 120 lbs.
Clover, Alfalfa or Lucerne.....15 to 25 lbs.	Peas, Field .....	120 lbs.
Clover, Mammoth .....	Pepper, 1 oz. to 1,500 plants	
Clover, Medium .....	Pumpkin, ¾ lb. to 100 hills.....3 to 4 lbs.	
Clover, White Dutch .....	Radish, ¾ oz. to 100 ft. of drill .....	10 to 12 lbs.
Collards, 1 oz. to 5,000 plants	Rutabaga .....	2 to 4 lbs.
Corn, rice (shelled) .....	Rye .....	60 to 90 lbs.
Corn, Sweet, ¼ lb. to 100 hills.....12 lbs.	Sage in drills.....4 to 5 lbs.	
Cowpea, in drills.....60 lbs.	Salsify, ¾ oz. to 100 ft. of drill... 8 lbs.	
Cress, ¾ oz. to 100 feet of drill.....12 lbs.	Spinach, ½ oz. to 100 ft. of drill.. 8 lbs.	
Cucumber, 1 oz. to 100 hills.....1 to 3 lbs.	Summer Savory .....	¾ lbs.
Dill, ½ oz. to 100 feet of drill..... 5 lbs.	Sunflower .....	8 lbs.
Egg Plant, 1 oz. to 2,000 plants... 4 oz.	Squash, Summer, 4 oz. to 100 hills 4 lbs.	
Endive, ¼ oz. to 100 feet of drill... 4½ lbs.	Squash, Winter, 8 oz. to 100 hills. 2 lbs.	
Flax, broadcast .....	Tomato, 1 oz. to 2,000 to 3,000 plants	
Garlic, bulbs, 1 lb. to 10 ft. of drill	Tobacco, 1 oz. to 5,000 plants	
Gourd, 2 oz. to 100 hills	Turnip, 1 oz. to 250 ft. of drill.1 to 3 lbs.	
Grass, Blue, Kentucky.....15 to 20 lbs.	Vetch, Spring.....90 to 120 lbs.	
Grass, Millet .....	Vetch, Hairy or Sand.....30 to 60 lbs.	
Grass, Mixed Lawn.....60 to 100 lbs.		
Grass, Red Top Fancy.....8 to 10 lbs.		
Grass, Rhode Island Bent.....25 to 40 lbs.		
Grass, Timothy.....10 to 15 lbs.		

We Sell the Following Articles by Weight

Grass, Rhode Island Bent
Grass, Creeping Bent
Grass, Red Top Fancy
Grass, Awnless Brome
Grass, Orchard
Grass, Hard Fescue
Grass, Red or Creeping
Grass, Fescue
Grass, Sheep's Fescue
Grass, Perennial Rye
Grass, Westwold Rye
Grass, Wood Meadow
Grass, Kentucky Blue
Grass, Canadian

## GENERAL SUGGESTIONS TO CUSTOMERS

**ORDER EARLY**—It will be a great convenience both to our customers and to ourselves if orders are sent us early. We aim to fill orders the same day received, but during the rush season find this not always possible—thus the advantage in ordering early.

**NAME, ADDRESS, ETC.**—When ordering, give name and full address. Many orders reach us every season in which the name or postoffice address is lacking. It is, of course, impossible to fill these orders until they are identified.

**MARKET GARDENERS**—We number among our customers many market gardeners and other users of large quantities of seeds. Those desiring to purchase greater amounts than those quoted in our catalogue will find it to their advantage to send us a complete itemized list of their requirements, and we will be pleased to name a special net price on the order.

**HOW TO SEND MONEY**—Money can be sent safely either by Post Office Money Order, Bank Draft, Express Order or

by Registered Letter. If your order amounts to \$1.00 or more it is best to send by above method. We will also take postage stamps up to and including \$1.00; however, if it is more convenient and you have a banking account, WE WILL ACCEPT YOUR PERSONAL CHECK. We realize in some instances this will save considerable time and will be much more convenient to many of our customers.

**DISCLAIMER**—So many different conditions may arise regarding the germination or growth of seeds, bulbs or plants, such as planting too shallow or too deep, destruction by insects, frosts, chemical changes, etc., that we are forced to sell our seeds under the non-guarantee rule by all seedsmen, viz.: The Harnden Seed Company, while they exercise great care in the selection of their seeds, give no warranty, expressed or implied, as to description, purity, productiveness of any seeds, bulbs or shrubs they send out and they do not in any way guarantee them to give or be responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.



39th Year      **THE HARNDEN SEED CO.**      39th Year

# THE HARNDEN SEED CO.

## 39th Year

505 Walnut St., Kansas City, Mo.

Please forward the following ORDER for amount enclosed (write your name and address distinctly):

Name \_\_\_\_\_

Street..... P. O. Box.....

Post Office..... R. F. D. No.....

County \_\_\_\_\_ State \_\_\_\_\_

Date.....192..... Forward goods by mail, express  
or freight.

Name of Express Office or Station.

Amount Enclosed

P. O. Money Order.....

Check .....

Stamps .....

- Total.....

NOTICE—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once. THE HARDEN SEED CO.

THE HARNDEN SEED CO.

[illegible]

(OVER)

EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST

[illegible]

Garden Seeds priced by the packet, ounce, one-fourth pound and one pound. Onions Sets, Grass and Field Seeds and Sundry Articles are not postpaid. In ordering one-pound lot, add ten cents per pound for postage and packing, and on larger quantities apply parcel post charges.

**DOMESTIC PARCEL POST RATES**  
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S.		First Pound or Fraction	Each Addi- tional Pound or Fraction
First Zone, Kansas City and within 50 miles of Kansas City.....		5c	1c
Second Zone, within 50 to 150 miles .....		5c	1c
Third Zone, within 150 to 300 miles.....		6c	2c
Fourth Zone, within 300 to 600 miles.....		7c	4c
Fifth Zone, within 600 to 1000 miles.....		8c	6c
Sixth Zone, within 1000 to 1400 miles.....		9c	8c
Seventh Zone, 1400 to 1800 miles.....		11c	10c
Eighth Zone, all over 1800 miles.....		12c	12c

Please do not ask questions on this Order Sheet, but kindly write them and all communications requiring an answer on a separate sheet of paper and inclose with your order. Be sure that your Full Name and Address are on both Letter and Order. If you have a neighbor who would like to have our Catalogue, write his name below.

**This space is for remarks about your order**





## Thirty-nine Years Service to Our Customers

THE HARNDEN SEED COMPANY takes pleasure in placing this copy of its 39th Seed Annual in your hands. If it were possible we would be better pleased to meet you and know you personally. With this physically impossible, we have tried to make this catalogue representative of our business; large enough to be complete; small enough to be flexible to the changes in demand; new enough to be able to see and grasp the new lines that have a real value for our customers; old fashioned enough to be slow in using florid description or exaggeration of facts; independent enough of our trade to be able not to listen to the constant demand for cheap stocks; yet dependent enough on our trade to know that the only way we can hold its business is to continue as we have for the past thirty-nine years and supply as reasonably as possible, the highest grade of seeds, bulbs, plants, etc., that can be obtained.

It was in adherence to this plan that we inaugurated, some years ago, of testing all our seeds before placing them on sale. Not only this, but this test is kept on record at our store and is gladly supplied to any customer desiring it; further we do not carry any seed, the origin of which we do not know, or with which we have not been furnished a bonafide test. In taking these precautions we know that we are doing our utmost in holding your confidence in our ability to furnish you with reputable seeds. K. C. Brand assures you that these precautions have been taken.

Stocks are catalogued by us only after we have been thoroughly convinced of their value; novelty as listed as such; our descriptions are readable yet honest; our prices are reasonable without being cheap, but as our many friends know we deal not only in seeds, but in service. When our goods are sold our interest does not cease; we want to know your results, good or bad. If we know these we can undoubtedly aid you in placing the right things in the right places; can advise you as to how to remedy your difficulties; and further, we can probably save you considerable time or money in not permitting those who wish to profit at your loss by applying the sundry and one hit-or-miss solutions to your problem. Let us help you.

Yours For Service,

**THE HARNDEN SEED COMPANY.**  
(K. C. Brand Seeds)



## HARNDEN'S SPECIALTIES FOR 1925

### DAHLIA

**CAMILLE FRACHON**—A beautiful New Dahlia of distinct formation and color; averages about 6 inches in diameter with a decided circlet or rays around the golden disc; color ranges from an intense deep garnet in center to a clear carmine crimson at the tips of petals. Entire flower is overlaid with silver. Each, postpaid, 75c.

**MRS. ETHEL F. T. SMITH**—Large, clear creamy white, shading to a lemon center. Flowers are produced on long stiff stems, well above the foliage. A perfect blossom of the cactus type with well defined petals not too closely rolled. Blooms freely under adverse circumstances and will be well received in our locality. Extra. Each, postpaid, \$2.00.

**HARNDEN'S NEW YELLOW ASTER**—This novelty is one which has created a decided sensation since its introduction. It is of the late type; is medium in size; is ball type; has well filled centers; is non-lateral producing; has good length stems; and a good clear golden yellow color. We highly recommend this heretofore deficient color in the Aster family. Pkt., each, 25c.

**HARNDEN'S SWEET SCENTED LUPINES**—These are a decided improvement over the old stock of Lupines, to which is added a marvelous range of the pastel colors so deservedly popular in our gardens, an added length of bloom spike, averaging from 2½ to 3 feet and rivaling the Gladiolus for show; bloom spikes, and a wonderful perfume entirely new to the Lupine family, all of which adds to their effectiveness. Like the original stock of Lupines, these are perfectly hardy and will bloom profusely from year to year, when established. Seed germinates easily, and plants will bloom from seed the first year if started early. Postpaid, pkt., 50c.



Mrs. Ethel F. J. Smith



## HARNDEN'S SPECIALTIES FOR 1925—Continued



Peony Flowered Petunias

### HARNDEN'S NEW PEONY FLOWERED PETUNIAS

The most successful novelty we have ever offered. The unusual number of compliments we have had on this strain during the past season has convinced us that we should feature these for one more year. It is without doubt the finest creation in this beautiful class.

It is impossible to describe the many varieties in form and color, pink, white, cream, violet, lavender, mauve, crimson, plain, shaded, and variegated in innumerable ways. The flowers are huge, from 4 to 6 inches in diameter, and are frilled, ruffled, and pinked. For those who have not been pleased with their results obtained from the ordinary Double Petunia, we recommend this new Peony-Flowered strain—the finest in existence. Pkt., 50c; 2 for 85c.

Petunia seed is extremely fine, and the newer strains are particularly sensitive to changes in temperature and moisture. Wherever possible they should be started in pans or boxes, and carefully watched until they germinate.

### NEW CABBAGE—GOLDEN ACRE

This is a very good selection of the Copenhagen Market type with heads smaller than our re-selected strain. The season is about the same, perhaps a trifle earlier. Very uniform. Pkt., 15c; ¼ oz., 65c; oz., \$1.25.

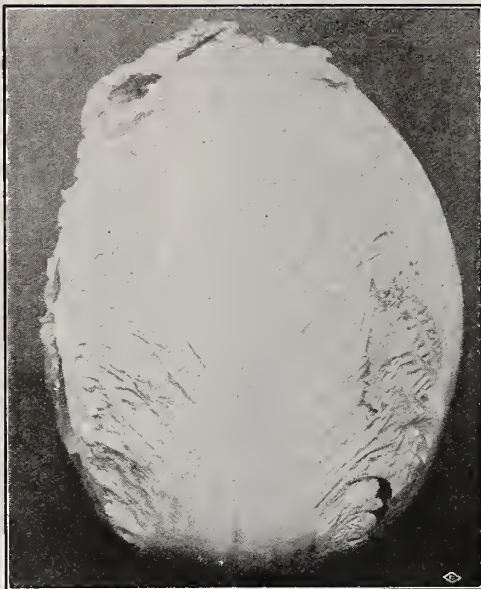
### MUSK MELON—HEARTS OF GOLD

This is an orange fleshed variety of medium size, ideal as a shipping melon and a desirable mid-season sort for the home garden. The vines are vigorous, blight resisting and very productive. The fruits are nearly round and are uniformly of medium size. The netting is exceptionally fine and dense, extending over practically the entire surface. The rind is thin yet very firm, so that the melons arrive in perfect condition in distant markets. The flesh is very thick, firm, highly colored, of fine texture and delicious flavor. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.50.

### SPINACH KING OF DENMARK

This new variety is undoubtedly the most valuable introduction of spinach in recent years. Although the plants are ready for use almost as soon as the medium early sorts they remain in good condition from a week to two weeks after all other varieties have gone to seed.

The plants are of rapid growth, resemble the large season in type, but leaves are more crumpled or curled and are of a darker green color. The leaves are thick, stand well after cutting and are of good quality. In a few years be one of the leading sorts as its distinctive qualities are sure to win favor



Chinese Cabbage

for it from both the home and market gardener. Pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.

### CHINESE CABBAGE

**GENUINE "WONG BOK"**—Big compact, tender and crisp. An excellent Wong Bok. We have found this to be absolutely the best firm-heading Chinese Cabbage to grow during the summer months. It will not scald or burn and will make a head when other varieties fail. We recommend it either for the market gardener, trucker or private planter, as it is a perfect Chinese Cabbage in every respect, not only being in the largest size, but of handsome color and of the finest quality. It is probably the safest variety for an amateur to plant, as it does well at all seasons and one is almost sure of getting a crop. It is vigorous and free from insects. Pkt., 15c; oz., 50c; ¼ lb., \$1.60; 1 lb., \$5.50.



### NOVELTY CUCUMBER CHINA-LONG

A most remarkable and handsome new long green cucumber from China. The most fleshy and finest flavored of the long green type. The vines make a tremendous growth. They are unusually vigorous, bearing an enormous crop. The foliage is rich dark green and is resistant to diseases and insect attacks.

**HARNDEN'S CHINA-LONG** makes perfectly straight fruit, about 20 inches long, and are practically all flesh, containing but very few seeds. The thick flesh is a beautiful white. It is crisp, juicy, and of the most delicious flavor, and essentially a quality cucumber which is absolutely unequaled for market or home use.

The fine large long fruits are extra fine for slicing, but if picked when of small size, they make tasty little pickles. Pkt., 15c; oz., 25c.

### BIRD'S EYE PEPPER or CREOLE

The smallest fruited of all hot peppers. Fruits are very small, egg shaped, and very pungent. Excellent for the home garden, as it can be used in making of chille or tobasco sauce. Pkg., 15c.



# Harnden's Vegetables



## ASPARAGUS

**CULTURE**—This is one of the earliest and most delicious of spring vegetables. We strongly urge all those having enough available space to put in a bed for their own use, following carefully the cultural directions given below.

Beds are usually formed by setting roots which can be procured of us.

The permanent beds should be prepared by deep plowing or spading and thoroughly enriching the ground with stable manure or other fertilizer; moist, sandy soil is best. If the subsoil is not naturally loose and friable, it should be made so by thoroughly stirring with a subsoil plow or spade. Set the plants about four inches deep and one to two feet apart in rows four to six feet apart. After the plants are well started, give frequent and thorough cultivation. Early the next spring spade in a heavy dressing of manure and about one quart of salt and double the quantity of fresh wood ashes to each square rod and cultivate well as long as the size of plants will permit or until they begin to die down. The next season the bed may be cut over two or three times, but if this is done, all the shoots, no matter how small, should be cut. After the final cutting, give a good dressing of manure, ashes and salt.

In autumn, after the tops are fully ripe and yellow, they should be cut and burned. A bed fifteen by fifty feet requires about one hundred plants.

If you wish to grow plants from the seed, pour warm water on the seed and allow it to stand until cool; pour it off and repeat two or three times with fresh warm water. Sow in spring in drills about eighteen inches apart and two inches deep in light, rich soil, planting fifteen to twenty seeds to each foot of row. When the plants are well up, thin to about one inch apart and give frequent and thorough cultivation during the summer. If this has been well done, the plants will be fit to set the next spring.

**CONOVER'S COLOSSAL**—A well-known standard variety, very large, strong shoots of excellent quality. Seed, price prepaid, per pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**PALMETTO**—A very early maturing and prolific variety, producing an abundance of very large, deep green shoots of the best quality. Seed, price prepaid, per pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**ASPARAGUS ROOTS**—Can supply two-year-old Roots of above varieties at: Per doz., 25c; \$2.00 per 100; \$12.50 per 1,000 at express office here.

**WASHINGTON RUST-PROOF ASPARAGUS**—This strain of Asparagus was developed under the direction of the United States Department of Agriculture with the aim of a "rust-resisting" strain in view. By a number of years' selection, a rapid-growing, heavy-yielding, rust-resisting strain of large, tender Asparagus has been produced. Especially valuable for commercial growers. Pkt., 15c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

## BEANS

### DWARF OR BUSH LIMA BEANS

This comparatively new class of Limas cannot be recommended too highly. Dwarf Limas are fully equal in quality to Pole Limas and are much earlier maturing. Do not plant until the weather is warm and danger of frost is over. If possible, select rich, light soil. Plant in drills from two to three feet apart, dropping the beans three to four inches apart and covering one and one-half to two inches deep.

**BUSH LIMA (HENDERSON'S)**—Extremely early; vines are without runners, but continue to grow and set pods until frost. Pods are short and contain two or four beans, which are of fine quality, either shelled or dry. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**BUSH LIMA (BURPEE'S)**—The bushes grow from 18 to 20 inches high, of stout growth and always erect. It is an immense yielder, each bush bearing from 50 to 200 large, handsome pods, well filled with very large beans, which are identical in size and luscious flavor to the well-known large Pole Limas. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 45c.

**FORDHOOK BUSH LIMA BEAN**—A stiff, strong grower and very heavy cropper. The pods are produced in clusters. Four to six days earlier than others. Bean is tender, sweet and juicy, either green or dry. The beans are so closely packed in the pods that the end of each bean becomes flattened. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 50c.

### POLE LIMA BEANS

The Limas being more tender and liable to rot in the ground if it is cold and wet, must be planted later—say about the last of May or first week in June. Plant about two inches deep. The seed of the Limas is very large, flat and white in color. Picking the pods as fast as the beans are large enough to use will lengthen the time of bearing.

**SMALL, CAROLINA, OR SIEVA LIMA**—This is a small type of the pole limas. It matures quickly, produces immense crops, and makes an excellent bean for winter use. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 45c.

**KING OF THE GARDEN LIMA**—Vines very vigorous and productive. Pods medium dark green, very large, five to six inches long, broad, flat, filled with four or five immense white beans of finest quality. On account of its large pods, it is a favorite with market gardeners. It will come into bearing earlier and make larger pods if not more than two vines are left to grow on a pole. Seed very large, ovoid, flat, white, with slight greenish tint. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 45c.



Palmetto Asparagus





Giant Stringless Green Pod

relieved by blotches and markings of a lighter shade. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**STRINGLESS GREEN POD (Burpee's)**—Earliest Green Podded Bush Bean. For either the market or home garden, no other green podded bean can be more highly recommended. It is very early. The pods are a rich green, very round and straight, 5 inches long. The pods are tender, bright and of the finest flavor, entirely stringless. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**FULL MEASURE**—A green podded variety which has proven very satisfactory in some sections both for the market and home garden. The pods somewhat resemble those of Stringless Green Pod but a trifle longer and more slender. Pods round, about five inches long, firm but tender, entirely stringless, and of excellent quality. Seed medium size, brown mottled with light yellowish drab. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

## DWARF OR BUSH WAX PODDED SORTS

**CULTURE**—The best soil adapted is a light, rich, well-drained loam, which has been manured for a previous crop; do not plant before the ground becomes dry and warm; drop the seed in drills from 2 to 3 feet apart, leaving 2 to 4 plants to the foot of row; cultivate them frequently up to the time of blossoming, but never disturb them when the ground or plants are wet with rain or dew; beans should be cultivated very shallow, as any cutting of roots after the plants come into bloom is liable to cause the blossoms to blast.

**RUST-PROOF DWARF BLACK WAX**—Continued experience has satisfied us of the great merit of this variety as the earliest wax podded bean. In all our many comparisons of this bean with other extra early sorts, we have found it the first to give a full picking of pods which were unexcelled by any in quality. Vines erect, compact, bearing the pods well up from the ground. The pods are an attractive medium yellow in color, medium sized, about 4½ inches long, considerably curved, round, very fleshy, crisp, tender and stringless. Seed jet black, longer and more curved than prolific Wax. The best extra early wax bean for the home or market garden. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**DAVIS KIDNEY WAX**—Good bearer; pods are long, rustless and hardy; very tender when young. Postpaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**RUSTLESS GOLDEN WAX**—Vines erect, compact, bearing the pods well up from the ground. Pods of medium length, 4½ to 5 inches, nearly straight, broad, flat, golden yellow, very fleshy and wax-like; cooking quickly as snaps, shelling well when green, and of the highest quality used in either way. Seed medium sized, oval, white, more or less covered with two shades of purplish red. The amount and shade of color on this and all parti-colored beans will be affected greatly by conditions of soil and ripening. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**UNRIVALED WAX**—Pods long, flat, tender and of excellent quality, early. Postpaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

## BEANS

### DWARF OR BUSH GREEN PODDED SORTS

**BLACK VALENTINE**—An extremely early, vigorous growing green podded variety; earlier than Red Valentine; very long and slender round pods of exceptional quality. As a variety for very early planting it stands cold and damp soil better than any other sort, absolutely rust-proof; seed black. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

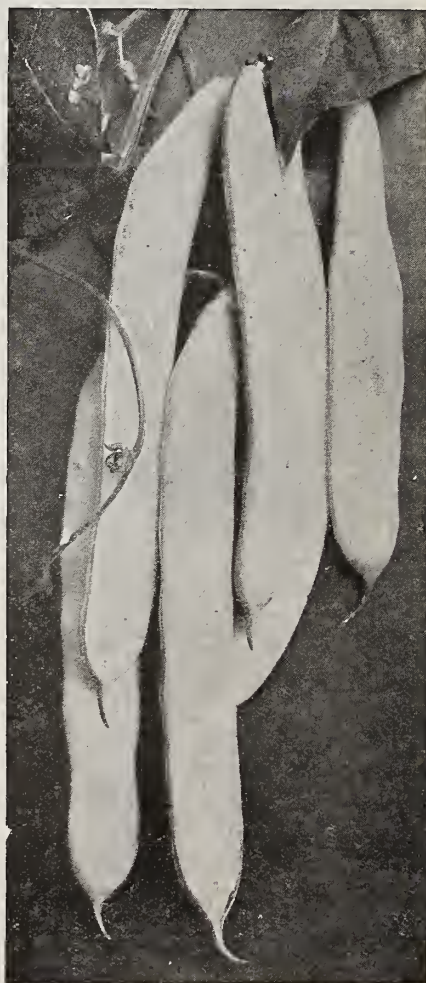
**BOUNTIFUL STRINGLESS**—Flat Pod—A "Long Yellow Six Weeks," improved by earlier growth, hardness, and more prolific yield. The plant is very handsome and of sturdy growth, being practically immune to rust and mildew. It is very hardy, early and prolific and continues in bearing for several weeks. The pods are of immense size, rich green, thick, broad, extra long, solid, meaty, rich, tender and entirely free from string. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**FORDHOOK FAVORITE**—The bushes grow 18 to 20 inches high, are very vigorous and remarkable for their prolific character. The leaves are bright, dark green, quite heavy, but not overabundant; the strength of the plant is concentrated upon the production of an enormous crop of handsome pods. These measure from 5½ to 6½ inches long. They are brittle, juicy, free from tough fiber, and entirely stringless at all stages of growth. The seed being white, can be used for dried beans in the winter. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**EXTRA EARLY ROUND POD RED VALENTINE**—For snaps there is nothing superior to this variety among the older green podded sorts. These plants are of dwarf, compact bush growth, 15 to 18 inches high; very prolific, hardy and early in maturing. Pods medium length, curved, cylindrical, with crease in back; fleshy, crisp and tender. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**GIANT STRINGLESS GREEN POD**—An exceedingly productive and very handsome sort. The vines are vigorous and spreading. The pods are large and round, medium green, mature a few days later than those of Stringless Green Pod, average about ¼ inch longer and more nearly straight. The quality is very good for snaps for home use; suitable also for the market. The seed is long, slender, yellow. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 35c.

**LONGFELLOW**—Vigorous in growth, 16 inches tall, bearing abundance of pods, 5 to 6 inches long, round, slightly curved, stringless when young; of good quality. Seed small, long, color mostly a dark red,



Unrivalled Wax



## BEANS

## POLE OR RUNNING

Pole beans are even more sensitive to cold and wet, as well as to droughts and hot winds, than the dwarf varieties, but are of superior quality and productiveness. After settled warm weather, set poles 4 to 8 feet long in rows 4 feet apart and extending north and south, the poles being 3 feet apart in the row. Let the poles slant slightly toward the north. Set in this way the vines climb better, and the pods are straighter and more easily seen. Around each stake plant 5 to 8 beans  $1\frac{1}{4}$  to 2 inches deep. When well started thin to 4 plants, and see that they all climb around the pole in the same way, for they will not grow if tied up in the opposite direction. Another plan is to plant in rows thickly enough so that there will be one plant to 8 or 10 inches. Set posts 5 feet high firmly at each end of the rows and drive stakes made of 2x2 lumber at intervals of about 16 feet along the rows. Stretch a wire, size number 10 or 12, between the posts along each row, and fasten it to the tops of the stakes with wire staples. Run a lighter wire or twine along the bottom about 6 inches from the ground and fasten to the posts and stakes with wire staples. Between these two stretch a wire or twine wherever there is a plant. The vines will run up these until they reach the top wire, when they will care for themselves. Another way is to omit the bottom wire and stick small stakes 2 to 6 inches in the soil and fasten to top wire.



Lazy Wife

**CELESTIAL OR YARD LONG**—A good table bean as well as a curiosity. It is very prolific and a rank grower. Should have ample arbor to climb upon. It should be grown more extensively in the home garden. It is of Chinese origin and one of the best vegetables emanating from that source. It is also absolutely rust-proof. Pkt., 15c.

**KENTUCKY WONDER**—Also known as Old Homestead. We believe this variety is the most practically useful of the green podded, pole beans suitable for use as snaps. It is an early, very prolific sort with showy pods which are of most excellent quality. The vines are vigorous, climbing well and very productive, bearing pods in large clusters. The pods are medium light green, very long, often reaching 9 or 10 inches, nearly round and very crisp when young, becoming very irregular as the beans ripen. Prepaid, pkg., 10c;  $\frac{1}{4}$  lb., 15c; 1 lb., 35c.

**KENTUCKY WONDER WAX**—This remarkably vigorous growing, wax podded pole bean is very similar to the green podded Kentucky Wonder, but the very long pods are a little broader, very fleshy and quite stringless as snaps. The mature pods are often 8 to 9 inches in length. Seed medium size, oval, flattened, very irregular, dark brown. The seed even from the most matured crops is usually somewhat shriveled in appearance. Its earliness and hardiness commend it as a pole bean well adapted even for Northern latitude. Prepaid, pkg., 10c;  $\frac{1}{4}$  lb., 15c; 1 lb., 40c.

**LAZY WIFE**—The pods are produced in great abundance and measure from 6 to 8 inches in length; they are broad, thick, very fleshy and entirely stringless. The pods retain their rich, tender and stringless qualities until nearly ripe, and are unsurpassed in all stages. Each pod contains from 6 to 8 round, white beans, which makes excellent winter shell beans. Prepaid, pkg., 10c;  $\frac{1}{4}$  lb., 15c; 1 lb., 40c.

**SPECKLED CUT SHORT, or CORN HILL**—An old variety, very popular in the Central and Southern states for planting among corn. It will give a good crop without the use of poles. Vines medium sized, but vigorous, twining loosely with dark colored leaves. Pods short, 3 to 4 inches in length, flat to oval, fleshy and of good quality. Prepaid, pkg., 10c;  $\frac{1}{4}$  lb., 15c; 1 lb., 40c.

**SCARLET RUNNER**—Ornamental and useful. The vine is graceful; flowers are of a brilliant scarlet, and the beans are of an excellent quality. Prepaid, pkg., 10c;  $\frac{1}{4}$  lb., 15c; 1 lb., 40c.

**WHITE CREASEBACK**—A fine early, green podded pole bean of rapid growth and very productive. The pods grow in clusters and are from 5 to 6 inches in length, perfectly round and deeply creased. They are very fleshy, stringless and of the best quality. The beans are white and are excellent shelled for winter use. Prepaid, pkg., 10c;  $\frac{1}{4}$  lb., 15c; 1 lb., 40c.

**WHITE DUTCH CASE KNIFE**—A climbing variety with long, flat, irregular pods, which become creamy white as they mature; seed broad, flat, and clear white. Prepaid, pkg., 10c;  $\frac{1}{4}$  lb., 15c; 1 lb., 45c.



Kentucky Wonder Wax



## BEETS

### FOR TABLE AND FARMS

**CULTURE**—The best results are obtainable on a deep, rich sandy loam. If wanted early, sow such sorts as Crosby's Egyptian, or Harnden's Early Market in hotbeds and transplant, cutting off the outer leaves. For general crop sow in freshly prepared soil as soon as the ground will permit, in rows 18 inches apart, covering about an inch deep and pressing the soil firmly over the seed. When the plants are well established thin out to 6 inches apart in the row. For winter use the turnip varieties may be sown in June so as to mature late in the season. The roots are stored in a cellar and covered with sand or sandy soil to prevent wilting, or they may be kept outdoors in pits such as are used for apples and potatoes.

**CROSBY'S EGYPTIAN**—The name of this variety is misleading, as it resembles the Egyptian only in its extreme earliness. Tops small. The roots are flattened globe-shaped and very smooth. Exterior color of root bright red. One of the best for early planting outdoors. Much used for bunching. It becomes fit for use earlier than any other variety. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.

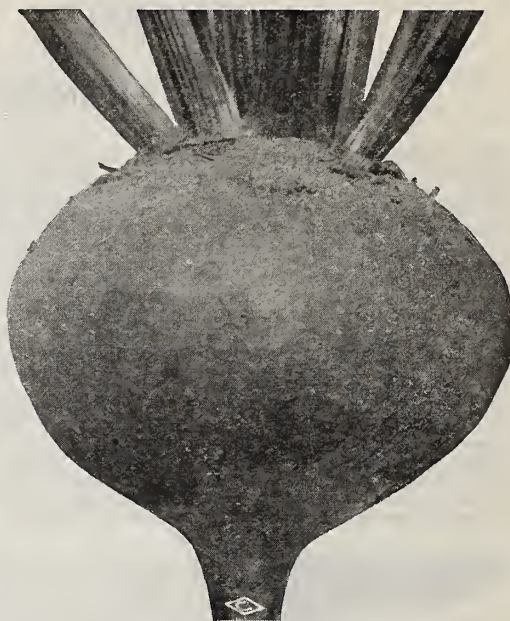
**EARLY WONDER**—This is the earliest and most perfectly shaped Beet for bunching purposes. Its beautiful deep blood-red, nearly globular shaped root, small-sized top and small clean tap-root make it a strong asset in the Beet family. The attractive appearance, uniformity of size, shape and color, and excellent keeping qualities have created a very heavy demand for this variety. A field of Early Wonder will mature so evenly that the entire crop may be harvested at one time. Pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.

**DETROIT DARK RED**—We believe this is the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. Tops small, upright in growth. Leaves dark green shaded with red. Root medium size, globular or nearly round, very smooth and of dark blood red color. Flesh is deep vermilion red, zoned with a lighter shade of the same color. Very desirable for bunching. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.

**ELECTRIC BEET**—The best all around beet for market garden purposes ever produced on our market. Every person that has tried this superb beet pronounces it one of the best beets in cultivation. Almost round leaves, small, dark, rich, crimson, with rings of lighter hue; flavor delicate, rich and sugary. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.



Swiss Chard



Crosby's Egyptian



Early Wonder

**EARLY ECLIPSE**—Another very fine early variety with globe-shaped roots; flesh dark blood, zoned with a lighter red. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.

**EARLY BLOOD TURNIP, Improved**—A handsome, clean turnip shaped blood beet. Skin and flesh are of a deep blood red, sweet and tender in quality, and unsurpassed for solidity and keeping purposes. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.

**HARNDEN'S EARLY MARKET**—The earliest beet ever brought on the market, maturing earlier than any other beet. Tops small, making it fine for bunching. Skin and flesh deep blood red, fine grained and tender. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.

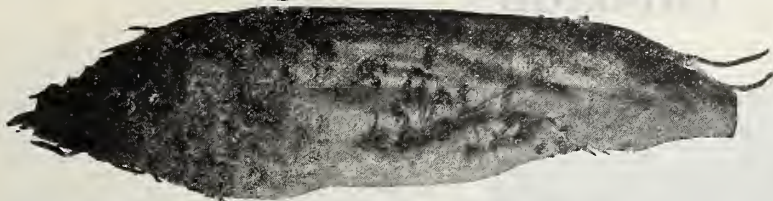
## Swiss Chard or Spinach Beet

A distinct vegetable and much superior to the common beet for greens and equal to spinach. Sow early in the spring, in rows 16 inches apart and the seedlings afterward thin out to 16 inches in the row.

**LARGE RIBBED WHITE**—This does not make edible roots like the regular garden beets, but is grown for the broad white leaf stalks, which are bunched and cooked in the same manner as asparagus, and make a delicious summer vegetable. The young leaves may be gathered also and cooked like spinach. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.



## Mangel Wurzel and Sugar Beets for Stock



Mammoth Long Red

**HARDEN'S MAMMOTH LONG RED**—The roots are very large, uniformly straight and heavy cropper. It is the very best long red mangel and of the greatest value for stock feeding. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 20c; 1 lb., 60c.

**GOLDEN TANKARD**—One of the finest mangels in cultivation; used extensively in England for dairy farming; of almost cylindrical shape. Color deep yellow. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 20c; 1 lb., 60c.

### SUGAR BEET

Desirable not only for the manufacture of sugar, but are invaluable for stock feeding and when small may be used for the table. The best soil is a rich, friable sandy, or clayey loam. Plant in drills two to two and one-half feet apart, twelve to twenty seeds to the foot. The seed should be well covered with about one to one and one-half inches of soil pressed firmly over it. Cultivate frequently. When about three inches high thin to about ten inches apart.

**IMPROVED WHITE**—Of medium size and brought by careful selection to the highest perfection, both in shape and color of roots. Greatly esteemed by sugar manufacturers, and one of the finest for stock feeding, owing to the high percentage of sugar. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 20c; 1 lb., 70c.



Chinese Cabbage

### CELERY OR CHINESE CABBAGE

See Specialties, Page 2.

**PE TSAI**—Improved Chinese Cabbage. It is very easily grown and does well in nearly all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. Prepaid, pkt., 15c; oz., 50c; ¼ lb., \$1.60; 1 lb., \$5.50.

### CHERVIL

**CULTURE**—1 oz. to 100 feet of drill. Rows 1 foot apart.

**CURLED**—The young leaves are used in soups and salads. Sow in May in drills half an inch deep. Prepaid, pkt., 10c; oz., 25c; ¼ lb., 60c.

### CHICORY

**CULTURE**—Sow in drills half an inch deep, in rich, mellow soil; the after culture being the same as recommended for carrots.

**LARGE ROOTED**—Roots of fine form, the chicory of commerce, used to adulterate coffee. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75.

### COLLARDS

A tall, loose leaved cabbage-like or kale-like plant grown throughout the South. It is extensively used for the table and for stock in the South where it continues in growth and is usable throughout the entire winter. Collards usually succeed in locations where cabbage cannot be grown to perfection.

**TRUE GEORGIA**—This is the wide-stemmed variety, growing 2 or 3 feet high and forming a large, loose, open head or cluster of leaves with a rather long stem. A frost, if not too severe, will improve rather than injure the quality of the leaves. Sow thickly in drills where the plants are to remain and when well started thin to 2 or 3 feet apart in the row. In the South, sow from January to May and from August to October. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 80c.

### CORN SALAD

**FETTICUS OR LAMB'S LETTUCE**

**CULTURE**—For winter use sow shallow in rows 1 foot apart during August or September. The plants are ready for use in six or eight weeks. When winter approaches give them a very light covering of hay or straw. The plants are hardy and will remain green and fit for use all winter. The seed may also be sown early in spring. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

### CRESS

**CURLED, or PEPPER GRASS**—This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. Sow thickly in drills 16 inches apart. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.40.

**CULTURE**—Sow the seed during April and not later than the last of May. Plant one inch deep in drills from 2 to 2½ feet apart, dropping from 6 to 10 seeds to the foot, which will require from 6 to 10 pounds to the acre. When the plants are 3 inches high, thin out with the hoe to 10 to 12 inches. Cultivate well and often, but discontinue as soon as the roots have commenced to form. The roots should be harvested and stored in pits or cellar when ripe, for if left they may start into fresh growth.

### BROCCOLI

Is cultivated like cabbage, cauliflower and other members of that family. Sow early in the spring, then transplant and set out. It will form heads like cauliflower, but it is more hardy and of a less delicate flavor. It is grown in cold localities to some extent, and also in the South for Winter use.

**PURPLE CAPE**—Prepaid, pkt., 10c; oz., 60c.

### BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbage formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

**PARIS MARKET**—Hardy and a heavy yielder. A fine variety originated and grown in Denmark. Prepaid, pkt., 10c; 1 oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

### CHIVES

**CHIVES (SCHNITTLAUCH)**—The chives are small members of the onion tribe; leaves very slender and appear very early in spring; can be shorn several times during the season and used for flavoring soups and salads. Plants, 25c per bunch, prepaid. Seed, pkt., 15c; oz., 90c.



Brussels Sprouts

**TRUE WATER**—This is quite a distinct variety of cress. A small growth may be obtained when planted in soil and kept moist, but thrives best when its roots and stems are submerged in water. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small streams. Prepaid, pkt., 15c; oz., 50c; ¼ lb., \$1.25.



## CABBAGE



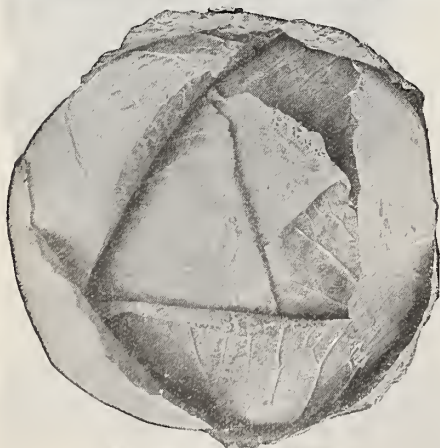
Copenhagen Market

## SECOND EARLY AND INTERMEDIATE SORTS

**SUCCESSION**—About two weeks later than Early Wakefield. The heads are large, solid, keep well and are of splendid quality. The color is a beautiful light green. This is a second early variety and a favorite with market gardeners. Prepaid, pkt., 10c; oz., 35c; ¼ lb., 85c; 1 lb., \$2.50.

**EARLY DWARF ULM SAVOY**—Very early and of fine quality. Heads round, beautifully crumpled, solid and of a deep green color. Prepaid, pkt., 10c; oz., 35c; ¼ lb., 90c.

**ALL SEASONS**—A cabbage that is really early, yet is suited to all growing seasons, under the most adverse conditions. It is almost a sure header, even when planted very late. It keeps well. The heads are large and solid, the leaves small ribbed and the eating quality is not excelled in the cabbage line. The heads are larger and mature about as



St. Louis Late Market

**CULTURE**—The Cabbage, to be well grown, requires a deep, rich, loamy soil. For early use sow the seed in hotbeds in February or March, or it may be sown about the middle of September, and the plants wintered over in cold frames. Transplant in spring as soon as the ground can be worked, in rows 2 feet apart and the plants 18 inches apart in rows. For late or winter use, the seed should be sown in May, and the plants set out in July, 2½ to 3 feet apart. Cabbage should be hoed every week and the ground stirred as they advance in growth, drawing up a little earth to the plants each time until they begin to head, when they should be thoroughly cultivated and left to mature. Loosening the roots will sometimes retard the bursting of full grown heads. To preserve cabbage during winter, pull them on a dry day and turn them over on the heads a few hours to drain. Set them out in a cool cellar, or bury them in long trenches in a dry situation, covering with boards or straw so as to keep out frost and rain.

## FIRST EARLY SORTS

**EARLY JERSEY WAKEFIELD**—The earliest and hardest heading of first early cabbages. Most gardeners depend upon it for the bulk of their extra early crop. Its exceeding hardiness not only to resist cold weather, but other unfavorable conditions, insures the greatest likelihood of profitable and satisfactory results. Prepaid, pkt., 10c; oz., 35c; ¼ lb., 85c; 1 lb., \$3.00.

**CHARLESTON, or LARGE WAKEFIELD**—Similar in every respect to the Jersey Wakefield except that it is very much larger, and not quite so early. Heads not quite as much pointed. Prepaid, pkt., 10c; oz., 35c; ¼ lb., 85c; 1 lb., \$3.00.

early as "Succession." Prepaid, pkt., 10c; oz., 35c; ¼ lb., 85c; 1 lb., \$2.50.

**COPENHAGEN MARKET**—Is the earliest, large, round or flat headed sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shaped and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

**GLORY OF ENKHOUSEN**—An early, globe shape, medium size, sure heading and a splendid keeper. Matures right after Copenhagen Market. More uniform and more even maturing than Copenhagen. Prepaid, pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., \$3.00.

**ALL HEAD EARLY**—The best early, flat head cabbage, deep, flat, solid heads, uniform in color, shape and size. Heads grow so compactly and free from spreading leaves that fully one thousand more cabbages can be grown on an acre. Prepaid, pkt., 10c; oz., 35c; ¼ lb., 85c; 1 lb., \$2.50.

## LATE OR WINTER SORTS

**MAMMOTH ROCK RED**—The largest and surest heading red cabbage. The plant is large, with numerous spreading leaves. The head is large, round, very solid and of very attractive deep red color. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00.

**DANISH BALL HEAD**—This splendid variety is remarkable for its solidity and grand keeping qualities. The heads, although not quite so large as Premium Flat Dutch, are equally as heavy and superb in quality. Prepaid, pkt., 10c; oz., 40c; ¼ lb., 85c; 1 lb., \$3.00.

**PREMIUM LATE FLAT DUTCH**—We have taken great pains in the selection of this strain, and have sold it to our market gardeners for a number of seasons. It has given universal satisfaction to every one who has tried it. The plant has a short stem, rather large outer leaves and is very sure heading. Head uniformly large, flat, but deep, solid and of splendid quality. It is also an excellent keeper. Considered by many the standard, very large late cabbage. Prepaid, pkt., 10c; oz., 30c; ¼ lb., 75c; 1 lb., \$2.50.

**ST. LOUIS LATE MARKET**—An extremely large and solid heading variety well suited for fall and winter. It forms large, handsome heads, which will keep in the best of condition for a long time. Prepaid, pkt., 10c; oz., 35c; ¼ lb., 85c; 1 lb., \$2.50.



## CARROT

The carrot is one of the most wholesome and nutritious of our garden roots deserving to be more extensively used for culinary purposes and we urge our customers to give some of the early table varieties as well as feeding sorts a trial.

**CULTURE**—Sow seed thinly in drills of  $\frac{1}{2}$  to one inch deep early in the spring, making several sowings to afford a succession. For garden culture sow in rows of 16 to 18 inches apart, and for field culture 18 to 24 inches. When well started thin out the early sorts to 8 to 10 to the foot, and late varieties from 4 to 6 inches apart in the row. A sandy loam, made rich by manuring the previous year, is the best soil. Avoid sowing on a newly manured ground, as it tends to produce forked roots.

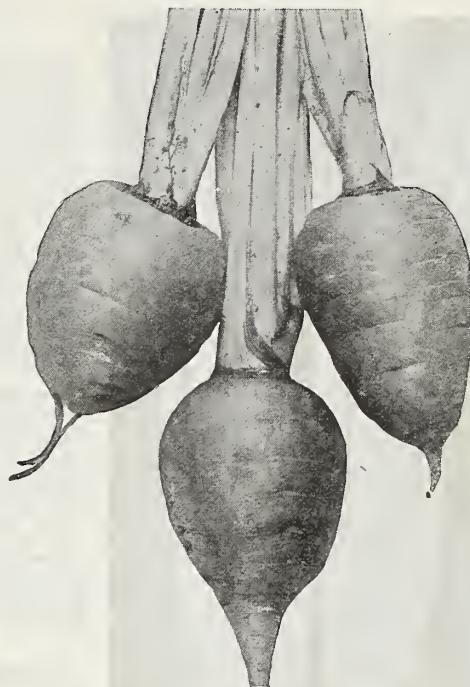
**DANVERS**—Flesh sweet, crisp, tender and of a bright orange color. Valuable both for table use and for stock feeding. Prepaid, pkt., 10c oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00.

**CHANTENAY**—A stump rooted variety; flesh deep orange color; solid, tender and of excellent flavor. A variety which the market gardeners should plant for their main crop; a heavy cropper. Prepaid, pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25.

**GUERANDE or OX HEART**—(Stump Rooted)—Comparatively short roots, but often reaching a distance of several inches. Flesh bright orange, fine grain and sweet. This is a desirable variety for ground that is so hard and stiff that longer growing sorts would not thrive on it. Prepaid, pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00.

**HALF LONG WHITE BELGIAN**—Is raised exclusively for stock. Grows to a very large size; is easily gathered. Makes splendid food for cattle, horses, hogs; known to yield forty tons per acre. Will keep four or five months after pulling. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c, postpaid.

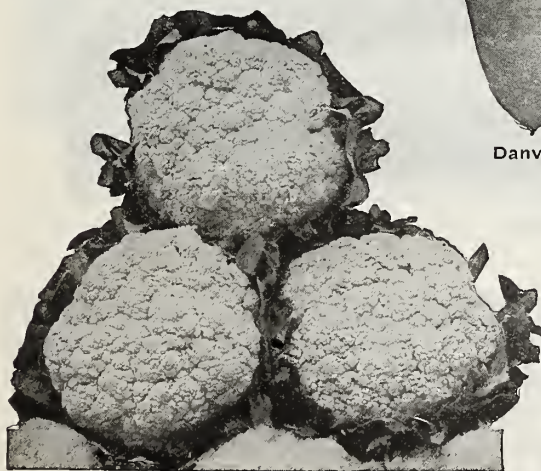
**CARROTS FOR STOCK**—Carrots are good for all kinds of domestic animals. Especially recommended as a general tonic and conditioner for horses. The quantity of oats can be cut down and an equal weight of carrots substituted with beneficial results.



Ox Heart



Danvers



Early Snowball

## CAULIFLOWER

Cauliflower, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only skilled gardeners can produce it. Any one will be reasonably sure, if the culture directions given below are carefully followed.

**CULTURE**—Make the soil as fine as possible for every transplanting and do not allow the young plants to become checked at any time for want of water. For spring and early summer use, sow in February or March in hotbed, and transplant to cold frame when sufficiently large, and to the garden as soon as ground is warm enough. For late Autumn crops sow in the early part of June, and transplant in July. In dry weather water freely and as they advance in growth hoe deep and draw earth to the stem. When heading tie the outside leaves loosely over the heads to protect from the sun.

**EARLY SNOWBALL**—Unquestionably the earliest maturing strain of the true short leaved, Snowball type of cauliflower. It is admirably adapted for forcing or wintering over for early crop and is the most popular sort for these purposes, also one of the best sorts for late summer and fall crop. Early Snowball is, moreover, a most desirable sort for the home garden. The plants are compact, with few short, outside leaves and are well suited for close planting. The heads are of medium to large size, solid, compact, round, very white and curd-like, and are developed earlier than those of any other sort. Prepaid, pkt., 25c;  $\frac{1}{4}$  oz., 85c; 1 oz., \$2.50.

**EXTRA EARLY DWARF ERFURT**—A favorite early market variety, very compact heads; it has very narrow leaves which grow perfectly upright, thus adapting it for close cultivation or forcing. Prepaid, pkt., 25c;  $\frac{1}{4}$  oz., 85c; 1 oz., \$2.50.

**DANISH GIANT (Dry Weather)**—The crop is two or three weeks later than Earliest Erfurt. Heads are pure white and of fine quality. The plants are less affected by dry weather than any other variety. Prepaid, pkt., 25c;  $\frac{1}{4}$  oz., 85c; 1 oz., \$2.50.



## CELERY



Golden Yellow Self-Blanching

**CULTURE**—Sow in drills early in spring as soon as the ground can be worked. The soil should be rich and well prepared. Cover the seed lightly with fine earth, tamping in firmly. Keep moist to insure germination and quick, vigorous growth. In order to secure stocky plants cut off the tops once or twice before transplanting to the field or garden. Set plants 6 to 8 inches apart in rows from 3 to 4 feet apart. Transplanting should be done about the last of June. Care should be taken to firm the earth well around the roots of the plant; work up the soil between the rows, drawing it to the plants from time to time until they are covered to the very tops.

**WHITE PLUME**—This handsome sort is valued because naturally the stalk and portions of the inner leaves and heart are white; the whiteness does not show however, until the plants are about one-third grown; it is unsurpassed for all uses and the earliest celery in the market. Prepaid, pkt., 10c; oz., 30c; ¼ lb., 80c; 1 lb., \$3.00.

**GIANT PASCAL**—Grows about 2 feet high; the stalks are very broad, thick and crisp, and of a rich, nutty flavor. The heart is golden yellow, very full and attractive in appearance; it bleaches very easily and quickly. Prepaid, pkt., 10c; oz., 30c; ¼ lb., 80c; 1 lb., \$3.00.

**GOLDEN YELLOW SELF-BLANCHING**—This splendid variety is without doubt the most popular celery grown. It is a self-blanching sort, for with a little banking or covering, even the outer ribs assume a beautiful golden yellow, while the heart or vine stalks are deliciously tender, brittle and sweet. This variety is being very extensively grown both for market and private use, not only on account of its ease of culture, but for its superior quality. The hearts are large and solid, blanching a beautiful waxen yellow. It is tender and sweet and free from stringiness. Its flavor is delightful. Prepaid, pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$7.00.

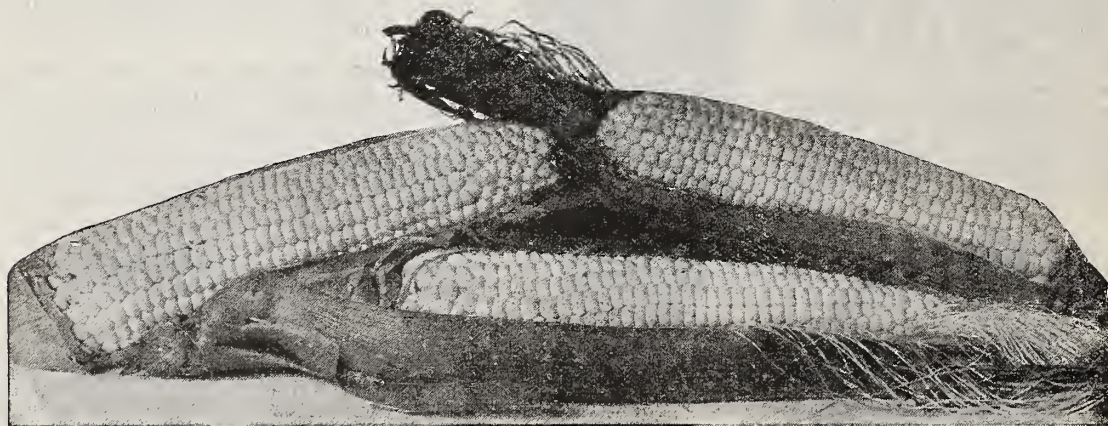
**DWARF GOLDEN HEART**—Solid, shapely stalks; large heart, which blanches to a beautiful yellow, after storing. Popular in many celery-growing centers. It is a long keeping "Golden Dwarf," of established merit. It is shapely and solid and requires little trimming. Prepaid, pkt., 10c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

## CELERIAC

**TURNIP-ROOTED CELERY**—Sow seed same as celery. Transplant in rows 2 feet apart, 9 inches in a row. Thorough cultivation is necessary to secure good roots. Earthing up is not necessary. Roots may be cooked or used as a salad.

**GIANT SMOOTH PRAGUE**—A very large and smooth variety, free from side roots. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.25.

## CORN—Sweet or Table Varieties



Early Howling Mob

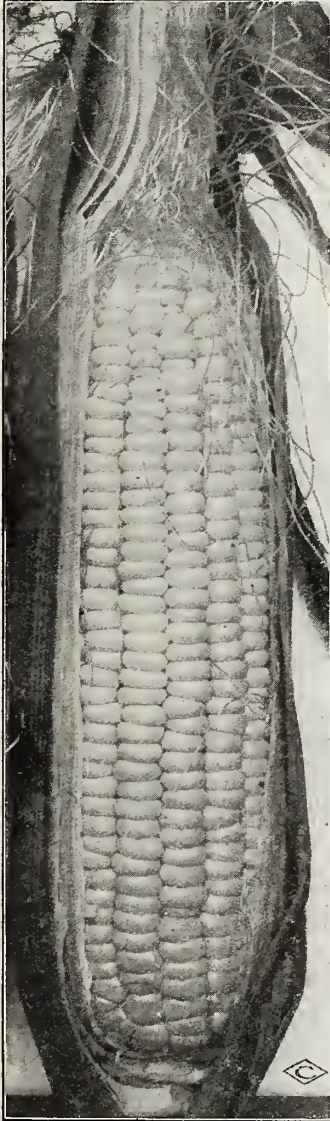
**CULTURE**—The stalks being short and small and having few leaves, may stand very close together. The seed may be planted either in hills or in rows. If the former, plant 6 or 7 kernels in a hill, thinning out well so as to have 4 plants in each hill. If in rows, and not in hills, drop the seed from 6 to 8 inches apart, according to the soil, and if planted early cover about 1 inch deep. Seed planted later should not be planted deeper, according to the amount of moisture in the soil. The rows may be just far enough apart to admit of cultivation. Ten pounds of seed will plant an acre.

**EXTRA EARLY ADAMS**—This is not a true sweet corn, but produces ears well filled with tender white grains. It is very early and on account of its hardness and hard round grain, it can be planted much earlier than sweet corn...Prepaid, pkg., 10c; ½ lb., 15c; 1 lb., 25c.

**BLACK MEXICAN**—Although the ripe grains are bluish-black, they are remarkably white when in roasting ear state. In tenderness and fine quality, none can surpass it. For family use we recommend it highly to follow the first early varieties. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.



CORN, Sweet or Table Varieties (Continued)



Stowell's Evergreen

**KENDEL'S EARLY GIANT**—Remarkably large in ear for a second early sort and extensively grown in some localities for the market. The stalks are about five and one-half feet high. The ears are about eight to nine inches long, twelve rowed. The grain is white, rather broad and shallow, and the quality very good. Prepaid, 10c; ½ lb., 20c; 1 lb., 35c.

**EARLY HOWLING MOB**—Is ready for use only three to five days later than the extra early Adams when both are planted at the same time, but the ears are so much larger in size, while the grains are so much whiter and sweeter, that it should really be compared with the second-early Howling Mob and other varieties of a later season. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.

**EARLY CHAMPION**—The earliest largest sweet corn grown. This variety is the earliest large sweet corn yet introduced, being only a few days later than the first early small sorts. It is 10 and 12 rowed, and pure white in color; sweet and tender. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.

**EARLY MINNESOTA**—An old and popular market sort. Stalks short bearing, 1 or 2 long 8 rowed ears; coming into bearing a little earlier than the Early Adams. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.

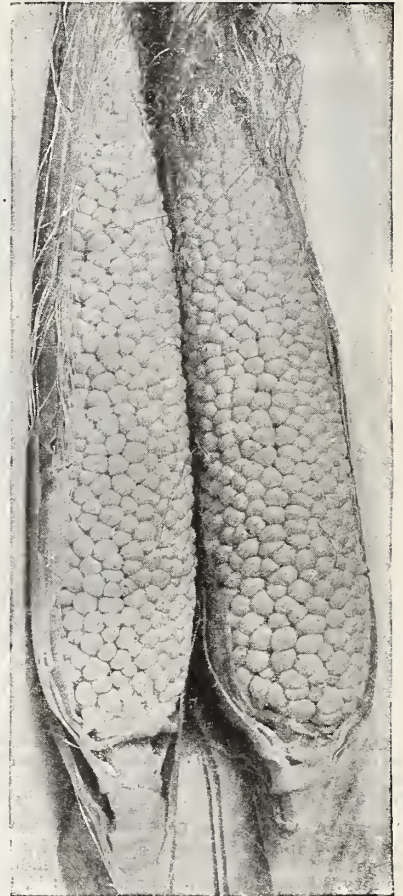
**BANTAM EVERGREEN**—A cross between Golden Bantam and Stowell's Evergreen, combining the good qualities of these well-known varieties. It is second early to late in season and produces 8-inch ears, 12-rowed, filled with large, deep grains of good flavor. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.

**COUNTRY GENTLEMAN**—A medium late variety of sweet corn; one of the best for private use; kernels very deep, placed irregularly, but compactly on the cob, the cob itself being very small. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.

**EARLY EVERGREEN**—The best second early sweet corn, possessing every good quality of the Stowell's Evergreen, and resembling it in every respect. Matures 10 days earlier than the Evergreen. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.

**STOWELL'S EVERGREEN**—The best late sweet corn in every way, being large eared, hardy and productive, sweet and tender, remaining a long time in condition suitable for cooking; there is no other late sweet corn which can compare with it. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.

**GOLDEN BANTAM**—Early sweet corn, with yellow kernels; ears 8 rowed, 6 to 7 inches long; heights from 4 to 5 feet. Very sweet and delicious; tender and of excellent quality. One of the best early varieties. Prepaid, pkg., 10c; ½ lb., 20c; 1 lb., 35c.



Country Gentleman

The Corn Ear Worm can be entirely controlled if one will carefully dust the silk of the ear with Arsenate of Lead, Powdered, as soon as it appears. The worm always works on the silk prior to entering the ear and if the new silk, as it appears, is dusted, the worm will be controlled. For further information see page 68, Arsenate of Lead.



## CUCUMBERS

The striped cucumber beetle can be effectively controlled by dusting the plants carefully with Black Leaf F2 Nicotine Dust. Dusting must be done during a dry period to be most effective.



White Spine

**CULTURE**—Cucumbers thrive best in a very rich, loamy soil, not containing too much sand. A rather heavy soil is preferable to sandy soil. The most successful growers fertilize heavily with barnyard manure, scattered evenly over the surface 2 or 3 inches deep. Plant from 12 to 15 seed in a hill. The hills should be from 4 to 6 feet apart. When the plants have attained good size and danger of the striped beetle is over, thin out to 3 plants in a hill; cultivate until the plants make long runners.

**DAVIS PERFECT**—Color a glossy green. Length, 10 to 12 inches. Slim in shape and of exceptionally good flavor. One of the very best for forcing under glass and also for outdoor culture. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.60.

**EXTRA LONG, or EVERGREEN WHITE SPINE**—Beautiful in shape and color. Fruit is long and cylindrical, dark green; flesh is white, crisp and tender and of the finest quality. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.60.

**IMPROVED LONG GREEN**—A standard late sort; fruit dark green. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

**KLONDIKE**—Averaging from 6 to 8 inches in length; uniform in size; dark green in color; retaining its color, and a very prolific yielder. One of the best for home gardens, and a good market garden sort. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

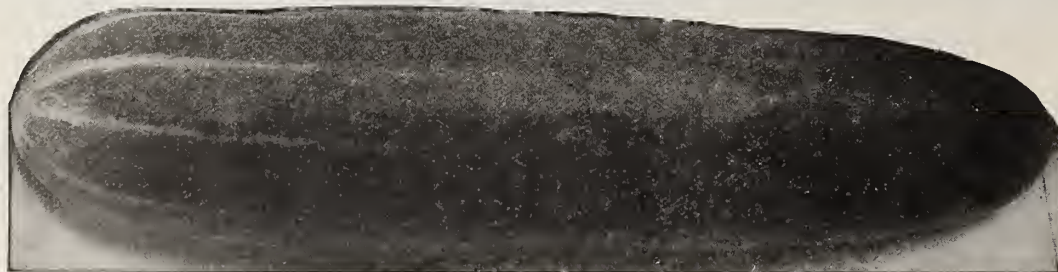
**CHICAGO or WESTERFIELD PICKLING**—The fruits of this very desirable sort are of medium length, pointed at each end, with very large and prominent spines. The color is deep green. A very prolific variety and one of the best for those who want crisp, coarsely spined pickles. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.40.

**EARLY FRAME or SHORT GREEN**—An early, bright green cucumber of medium size, very extensively used for slicing and pickling. The vines are very vigorous and productive. The fruits are straight, a little smaller at the ends, bright green in color, shading lighter at the blossom end. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.40.

**EARLY CLUSTER**—The vines are hardy and very vigorous, bearing fruits in clusters of two and three. The fruits are short, thick, bright green, shading lighter at blossom end, crisp and tender. This sort is extensively used as a pickling cucumber as well as for slicing. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.40.

**JAPANESE CLIMBING**—Vines are of healthy, vigorous growth, with rich dark green foliage, and throws out strong, grasping tendrils, which enable it to climb trellis, wire netting, brush or any other suitable support. Of large size, cylindrical shape; flesh pure white; skin dark green. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

**WEST INDIA GHERKIN**—A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.



Improved Long Green



## EGG PLANT

**CULTURE**—Sow in March or April in a hotbed, transplant when 2 inches high into a second hotbed, or let them remain and thin out to 4 inches apart. Uniform heat is essential to this plant, and it rarely recovers from the least chill in its early growth. When the weather becomes settled, transplant into the open ground, 2½ feet apart each way. One ounce to 1,500.

**BLACK BEAUTY**—The earliest and best of all large-fruited Egg Plants. It is valuable alike to the private planter and to the extensive grower for market. Black Beauty produces fruits fully as large as and ready for use ten days to two weeks earlier than the New York Improved. The plants branch freely near the ground, and grow in well-rounded bushes. The grand large fruits are thick, of most attractive form. The skin is a rich, lustrous purplish black—the satin gloss and rich coloring add greatly to the beauty. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; 1 lb., \$6.00.

**NEW YORK IMPROVED (Spineless)**—This variety is a general favorite for both market and home garden. Usually produces 4 to 6 large oval fruits of a splendid dark purple color. Early, productive and of excellent quality. The vigor and productiveness of the plant and the large size and fine quality of its fruit make it most profitable for market gardeners. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.50.

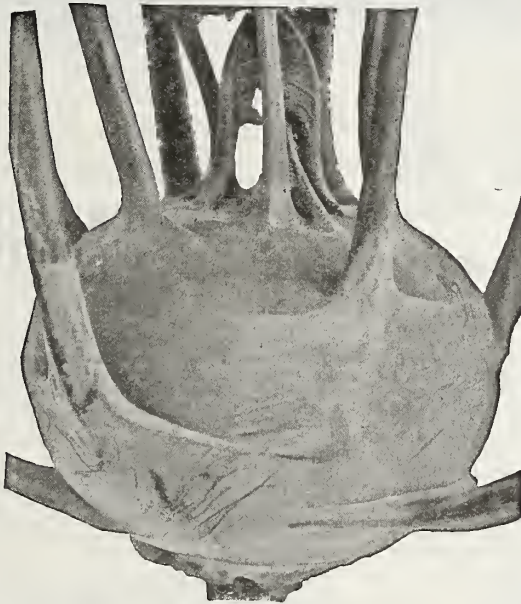


New York Improved

## KOHL RABI

**KOHL RABI** — The edible part is the turnip shaped bulb formed above ground. Seed should be sown in light, rich soil, as early in spring as possible, in rows 1 foot apart, and when well established thin to 6 inches apart in the row.

**EARLY WHITE VIENNA**—(Extra for forcing) — Extremely early with distinctly small tops. Bulbs of medium size, very light green or nearly white, and of the best quality if used when not more than 2 inches in diameter. Prepaid, pkt., 10c; oz., 30c; ¼ lb., 80c; 1 lb., \$3.00.



Early White Vienna

## ENDIVE

**ENDIVE** may be grown at any season of the year, but is more generally used late in the fall. Sow the seed in June or July in drills 14 to 20 inches apart and when well started thin the plants to 1 foot apart. When nearly full grown tie the outer leaves together over the center in order to blanch the heart of the plant.

**GREEN CURLED**—Very hardy, with dark green curled leaves; tender and crisp. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**WHITE CURLED (Self-Blanching)**—Leaves pale green, crisp and very tender. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**BROAD LEAVED BATAVIAN**—Large heads of broad, thick leaves; if bleached, the inner leaves make a fine salad. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

## KALE OR BORECOLE

**CULTURE**—Cultivate the same as cabbage. For summer and fall use, sow in April and transplant in June; for early spring greens, sow in September. Two pounds per acre, in drills, 3 lbs., broadcast.

**DWARF GREEN CURLED (German)**—Finely curled; even more tender after being touched by frost. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.40.

## LEEK

**LEEK**—One Ounce will sow 100 feet of Drill—Leek is more delicate than the onion for soup, etc. Sow in seed-bed middle of spring; when the plants are 3 or 4 inches high transplant them into rows wide enough apart to admit the hoe between them. With good cultivation they may be grown 5 or 6 inches in circumference.

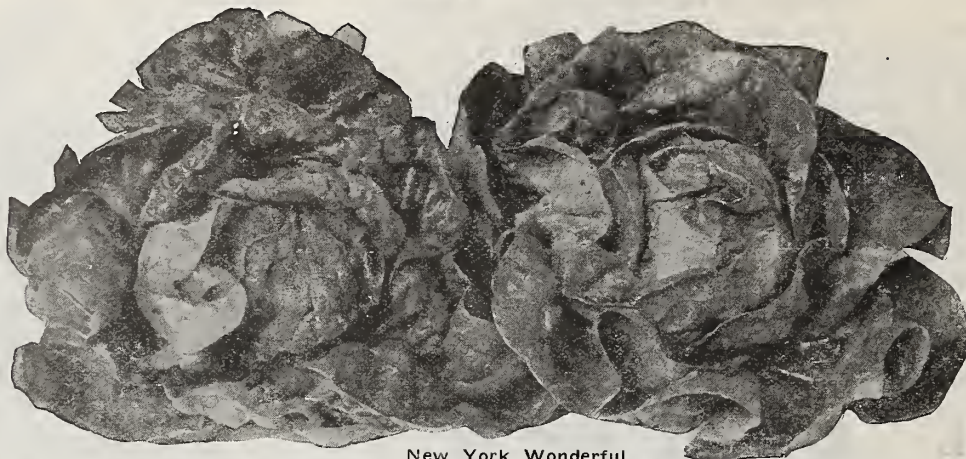
**AMERICAN BROAD LEAF**—This variety is more largely used in this country than any other plant; strong, with broad leaves. Prepaid, pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.



Green Curled Endive



## LETTUCE



New York Wonderful

**CULTURE**—For general crop, sow as early in the spring as the ground can be worked in drills 18 inches apart, and thin the young plants to 4 inches apart in the row. As the plants begin to crowd, thin them out and use as required. Keep the soil constantly loose by frequent hoeing. Lettuce to be at its best should be grown as rapidly as possible, hence the soil should be made as rich as possible by liberal manuring and thorough preparation. For winter, sow under glass from November to February and thin out as necessary to prevent crowding. Keep a moderate heat and give all the light and air possible.

### CABBAGE OR HEADING VARIETIES

**BIG BOSTON**—(Seed white)—Popular for outdoor culture; also much in demand as a compact, large heading, forcing sort. Plant large, very hardy, and vigorous. Leaves broad, comparatively smooth, but wavy at edge, thin, very hard and crisp; color bright light green, the head slightly tinged with reddish brown. Grown extensively in the South for shipment North in the winter. It usually heads up under cold weather conditions better than any other variety. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.00.

**COS LETTUCE**—(Seed white)—The Cos lettuce is distinct from the following sorts, having long, narrow, spoon-shaped leaves, which usually fold into loose sugar-loaf shaped heads, which blanch better by having the outer leaves drawn about them and tied. On account of their exceeding crispness, tenderness and delicate flavor, they are becoming more and more popular in this country. Leaves yellowish white in color, narrow, upright, folding into a solid head like that of an Early York cabbage; crisp and tender; self-blanching. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.00.

**HANSON**—(Seed white)—One of the most desirable later summer lettuces. The plant is compact and forms a large, cabbage-like head which remains in condition longer than most heading sorts. Outer leaves bright yellowish-green, broad, somewhat crumpled and frilled at edge and with distinctive midrib. Inner leaves white, very crisp and sweet. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.00.

**ICEBERG**—It is a strictly cabbage variety; crisp rather than buttery; large and late. Head is globular, extremely hard and well blanched. Leaves are slightly blistered, crumpled and twisted. Color light green except faint brown borders. Very good quality. Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.00.

**NEW YORK WONDERFUL, LOS ANGELES or NEAPOLITAN CABBAGE**—(White seed)—This very large heading lettuce is desirable not only as a garden variety for summer use, but is much used for fall and winter sorts grown in greenhouses. The plant is large, compact, and tight heading. Outer leaves attractive, deep green, broad frilled at edges. The inner leaves form a large head, sweet and tender when in condition for use. Prepaid, pkt., 15c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.

**SALAMANDER**—(Seed black)—A very extensively used sort of excellent quality for the home garden and market. The variety withstands hot weather remarkably well. It forms a large, compact, light-green plant. The leaves are broad, thick, somewhat crumpled and closely overlapping so that the inner ones are very finely blanched. It is one of the most satisfactory heading lettuces for growing outdoors. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.00.

### CURLED OR LOOSE LEAVED VARIETIES

**GRAND RAPIDS**—(Seed black)—The most popular variety for greenhouse planting. It will make a quick growth even under adverse conditions. It is of handsome appearance, a strong grower and not subject to rot. When exposed for sale it keeps from wilting longer than other varieties. Its upright habit of growth permits close planting. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

**EARLY CURLED SIMPSON**—(Seed white)—Leaves light green, slightly frilled, crisp, sweet and tender. This sort is especially adapted for sowing thickly and cutting when plants are young. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

**BLACK SEEDED SIMPSON**—A standard variety for forcing and early outdoor culture. It forms large, loose clusters of leaves of light yellowish green color; the leaves are large, thin, very tender, slightly ruffled and blistered; the inner ones nicely blanched, and even the large outside leaves are tender and of good quality. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

**EARLY PRIZE HEAD**—(Seed white)—A large, clustering, non-heading lettuce, most excellent for the home garden and undoubtedly the most easily grown variety in cultivation. It is too tender, however, to stand shipping or handling on the market. Leaves are finely curled and crumpled, bright green tinged with brownish red; very crisp, tender and sweet. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

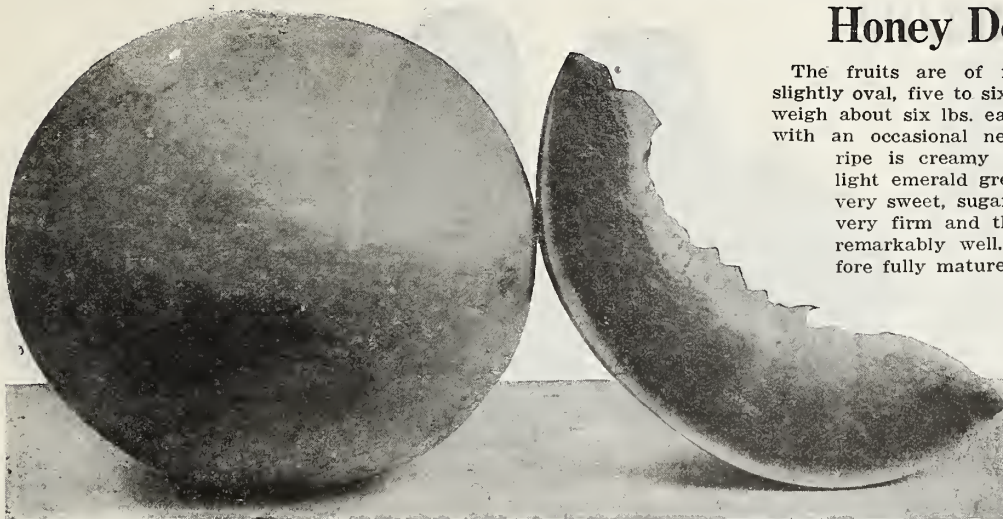


Grand Rapids



## Honey Dew Melon

The fruits are of medium size, round or slightly oval, five to six inches in diameter and weigh about six lbs. each. The skin is smooth with an occasional net and when fruits are ripe is creamy yellow in color. Flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruits stand shipping remarkably well. If picked shortly before fully mature the fruits will keep for several weeks. Matures about two weeks later than Rocky Ford. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.



## MUSK MELON

**CULTURE**—Melons thrive best in light, dry, sandy soil; plant in hills 6 feet apart each way, 12 seeds in each hill; remove 2 to 3 inches of soil where the hill is desired and fill in with well rotted manure, then replace the soil, 4 inches high, raking the hill rather flat. When the plants have made the second pair of leaves, thin out to 4 in a hill. If the plants grow very rank pinch off the ends when about 3 feet long.

**TIP TOP**—A well known very productive market sort in some sections. The fruits are large, nearly round, slightly ribbed and fairly well covered with shallow netting. The skin is light yellow when the fruit is mature. The flesh is deep yellow, rich and highly flavored. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**MONTREAL NUTMEG**—The large fruits are nearly round in form, slightly flattened at the ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. The largest melons in our list, often weighing 7 to 8 lbs. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 60c; 1 lb., \$1.75.

**OSAGE OR MILLER'S CREAM**—A medium to large sized, salmon fleshed melon of excellent quality. The vines are vigorous and productive. The fruits are oval, dark green in color, slightly ribbed and partly covered with shallow gray netting. The flesh is salmon colored, fine grained and highly flavored. A favorite variety for the later markets, as there is always a considerable demand for it from the restaurants and hotels, where its excellent qualities are highly appreciated. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**POLLOCK'S NO. 10-25 RUST RESISTANT**—The melons run very uniform in size, and the exceptionally heavy netting is laced and inter-laced over the entire surface, making it an ideal shipper. The flesh is green, shading to salmon about the seed cavity, which is unusually small. The meat is solid and fine grained; flavor unexcelled. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**ROCKY FORD**—Oblong, somewhat similar to the Netted Gem. Grow very uniform in shape and size, weighing from 1½ to 2 pounds; skin green and thickly netted; flesh of a light green color and very sweet. The most popular shipping variety grown. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**MANGO MELON—Vegetable Peach**—Golden yellow, resembles an orange in shape and size; the flesh is snow white. They make splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Prepaid, pkt., 10c; oz., 15c.

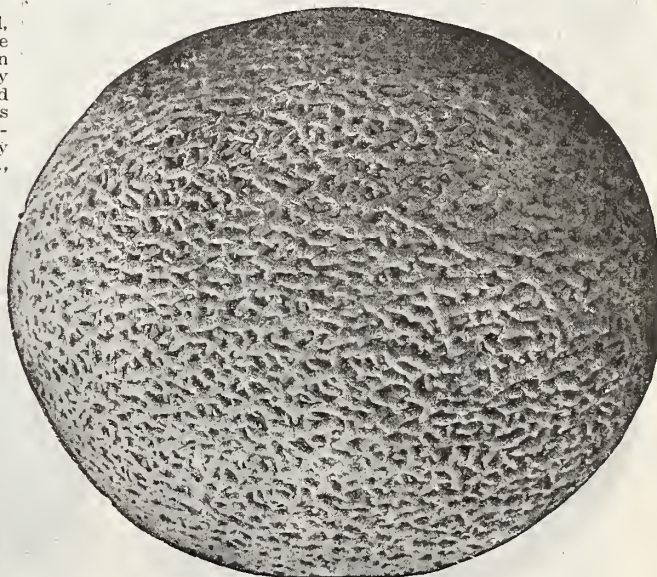
**GARDEN LEMON**—Fruits short, nearly round, with yellow and green marking, skin smooth, flesh tender, sweet, melon flavor. Best when turning yellow. Prepaid, pkt., 10c; oz., 15c.

**JENNY LIND**—Vine rather small but vigorous and productive. Fruit small, somewhat flattened, deeply ribbed and well netted. Flesh green and exceedingly sweet. This variety ripens early and on account of its size is particularly good for hotel use. We know of no green fleshed melon maturing equally as early that is of more excellent quality. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**BURREL'S GEM**—6 to 7 inches in length and 4 to 4½ in diameter. Well ribbed and covered with a fine grayish netting. Skin a rich dark green with deep orange salmon colored flesh of the finest flavor, sweet and tender. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**BANANA**—Attains a length of from 18 to 40 inches; from 2 to 4 inches thick. Flesh very thick, of salmon color. It looks almost like an overgrown banana, and smells like one, hence its name. Has a peculiar flavor, differing from ordinary musk melons, and by some is considered superior. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**EXTRA EARLY HACKENSACK**—A variety possessing all the good qualities of the well known Hackensack, but at least 10 days to two weeks earlier. The melons weigh from 4 to 10 pounds each; are of nutmeg shape, heavily netted and have a light green flesh. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.



Pollock 10-25



## WATER MELONS

To grow good Water Melons it is essential to have good rich soil, an abundance of well-rotted manure, hen manure, guano, or other forms rich in nitrogen being most desirable. Put a good covering of fresh soil over the manure. Plant in hills about 6 feet apart; plant from 10 to 12 seeds in a hill.

Frequent watering of the plants with liquid manure will hasten the growth, thus diminishing the danger from insect pests. The protection against blight and insect pests is to maintain a vigorous and continuous growth.

**IRISH GREY**—In sweetness, it is like Kleckley's Sweet; in shipping quality, uniformity in shape, size and in productiveness it compares with Tom Watson. The thin rind is so tough it will not burst from rough treatment in transit; its keeping quality will appeal to shippers who have experienced losses on account of glutted markets. The color is a distinct mottled greenish grey; the flesh is red, sweet, and crisp and free from stringiness. An unusual melon, for although a grand shipper it is equally fine for the home garden. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.

**HALBERT HONEY**—Dark, rich colored skin, regular in shape, crimson meat, small white seed—a very fine melon for home use; fully equals Kleckley's Sweet. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

**TOM WATSON**—An extra long melon of attractive appearance. Average melon weighs from 35 to 40 lbs. The crimson fruit is sweet as honey. Very prolific. Produces the large, luscious fruit in great abundance. The rind is very thin, but exceedingly tough and on this account is a very good shipper. The skin is dark mottled green. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

**KLECKLEY'S SWEET**—Large, oblong melon; skin dark green; flesh bright scarlet, very sweet and sugary; one of the best melons that has been offered. If you have a home garden you can't afford to be without this. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

**GYPSY, or GEORGIA RATTLESNAKE**—Standard Southern variety of large size, possessing very remarkable shipping qualities; oblong, square at the ends; scarlet flesh. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

**HARRIS' EARLIEST**—A splendid large, extra early melon of exceptionally fine quality. Fruit uniform in shape, slightly oval with irregularly mottled broad stripes of light and dark green. Flesh bright red, sweet and tender. Seed black. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

**CITRON, for Preserves**—This melon is used exclusively for making preserves. The flesh is thick and clear white, and makes preserves of excellent quality. Cultivation similar to water melons. There are two varieties, one with red seed and the other with green. We offer either kind at following prices, by mail. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.



**SWEET HEART**—Fruit large, oval, uniformly mottled, light and dark green; rind thin but firm; flesh red, solid, melting and sweet. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

## Pure Culture Mushroom Spawn

**CULTURE**—Any dark room or pit where the temperature can be kept from 50 to 60 degrees will do for the culture of mushrooms. In preparation for a mushroom bed, procure soil from an old pasture, and fresh horse manure, free from straw or litter, and mix thoroughly in proportion of three parts horse manure to one of loam; previous to mixing, the manure should be turned a number of times to get rid of the heat; make out of this compost a bed 8 to 10 inches deep, pressed solidly; let the temperature recede until it reaches about 90 degrees, then plant pieces of spawn the size of a walnut in holes 2 to 3 inches deep, and 6 inches apart each way; cover the holes, pressing the dirt solid. At the expiration of ten days, cover the whole with 2 inches of fresh loam and over this spread 3 or 4 inches of hay, straw or litter; in about eight weeks the mushrooms make their appearance. If the surface becomes dry, wet with warm water. One brick of spawn will plant 8 or 9 square feet.

**PURE CULTURE SPAWN**—1 brick, 25c; prepaid, 35c. A brick weighs about 1¼ lbs. By express or freight at purchaser's expense: 10 bricks, \$2.25; 25 bricks, \$5; 100 bricks, \$17.50.

## MUSTARD

Mustard is not only used as a condiment but the green leaves are used as a salad or cut and boiled like spinach. Sow as early in the spring as the ground will permit, in drills about 18 inches apart, covering ½ inch deep. For succession, sow every few weeks till autumn. Water freely. In the South the seed may be sown in autumn and the plants used early in the spring as a salad and for greens.

**SOUTHERN GIANT CURLED**—Highly esteemed in the South, where the seed is sown in the fall and used in the spring as salad. Our stock is the true curled leaf, with dark green leaves, edges of which are finely curled. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 85c.

**BROWN OR BLACK**—The common small seeded variety; more pungent than the White. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 85c.

**WHITE**—Best for culinary purposes and for salads. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 85c.

**OSTRICH PLUME**—The leaves are long, ruffled and curled as gracefully as an ostrich plume. Is especially good as a salad and as greens, equal to spinach. The leaves are very ornamental. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 85c.





## ONIONS

To grow onions thorough preparation of the ground, careful sowing, the best of cultivation and GOOD SEED are essential.

**THE SOIL**—Soft, dark, sandy loam, not too fine. This is much better if it has been cultivated with hoed crops, kept clean from weeds and well manured for two years previous, because if a sufficient quantity of manure to raise an ordinary soil to a proper degree of fertility is applied at once, it is likely to make the onions soft.

**SOWING THE SEED**—This should be done as soon as the ground can be made ready and can be done best by a hand seed drill. This should be carefully adjusted to sow the desired quantity of seed about one-half inch deep. The quantity depends on the soil and kind of onions desired. Four to five pounds is the quantity used for an acre to grow large onions.

**SOUTHPORT WHITE GLOBE**—One of the handsomest onions grown and rapidly taking the lead in our market; a large yielder, mild in flavor, clear white skin and in every way to be recommended; one of the best varieties to sow for early bunching. Prepaid, pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.

**WHITE PORTUGAL, or SILVERSKIN**—An early, flat, white variety, mild flavor; excellent for growing sets; one of the best for pickling. Prepaid, pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.

**MAMMOTH SILVER KING**—An Italian variety of special merit; remarkably early, of large size and fine quality. A popular variety in the South, where it grows to an enormous size; white flesh; shape flat; mild and delicate flavor. Prepaid, pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

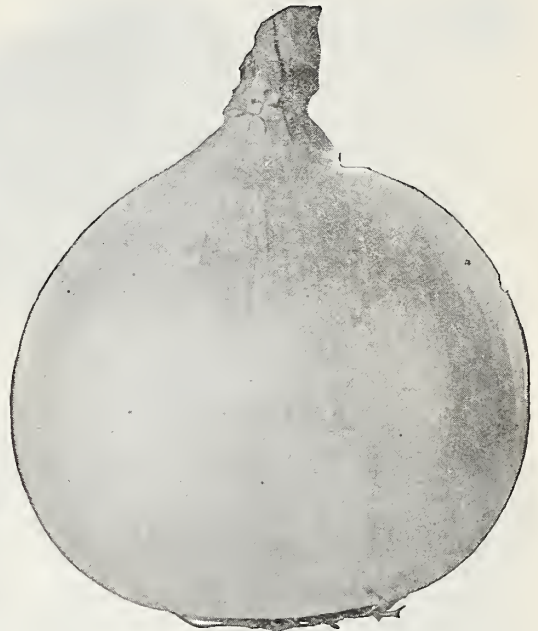
**YELLOW GLOBE DANVERS**—One of the most extensively used main crop yellow onions. Bulbs of medium to large size, uniformly globe-shaped, with small neck, and ripen very evenly. Skin rich coppery yellow; flesh creamy white, crisp, and of mild and excellent flavor. Keeps well; excellent for shipping. Prepaid, pkt., 10c; oz., 25c; ¼ lb., 50c; 1 lb., \$1.75.

**LARGE RED WETHERSFIELD**—The standard variety so largely used for commercial purposes, good size; an immense yielder; deep red color; fine keeper. Prepaid, pkt., 10c; oz., 30c; ¼ lb., 65c; 1 lb., \$2.00.

**SOUTHPORT RED GLOBE**—Similar to the White Globe except in color; they are perfectly globe-shaped, more so than the Globe Danvers; of handsome appearance and heavy croppers; excellent keepers; a very desirable sort. Prepaid, pkt., 10c; oz., 30c; ¼ lb., 60c; 1 lb., \$2.25.

**PRIZE TAKER, or SPANISH KING**—Like nearly all Spanish onions, this makes extra large size onions and of particularly fine flavor. The outside skin is a rich yellow straw color, and the flesh is pure white; sweet, mild and tender. Ripens up fine and hard, and makes a very handsome and attractive onion. Prepaid, pkt., 10c; oz., 30c; ¼ lb., 65c; 1 lb., \$2.00.

**AUSTRALIAN BROWN**—Quick to mature; good keeper; solid and heavy; an excellent onion for shipping. The skin is a light brown. Its solidity gives it great weight and a



White Globe

sack weighs several pounds heavier than a sack of other varieties. The onions are thin-necked and ripen very early in all soils. As the plant makes a very quick growth it matures the bulbs before the hot, dry summer weather sets in, and this in connection with its exceptional keeping qualities makes it a most profitable variety. Prepaid, pkt., 10c; oz., 25c; ¼ lb., 50c; 1 lb., \$1.75.

## ONION SETS

Write for special prices on large lots. Prices variable. Top sets, 28 lbs. per bushel; bottom sets, 32 lbs. per bushel.

	Prepaid
	Qt.
Bottom Sets, Yellow.....	\$0.25
Bottom Onion Sets, Red.....	.25
Bottom Onion Sets, White.....	.25

## OKRA OR GUMBO

**CULTURE**—After danger of frost is past, the ground being warm and in good condition, plant in rows about 2 feet apart, covering about an inch deep with fine soil, firmly packed down. When about 2 inches high, thin to about 1 foot apart in the row. The young seed pods are used in soups, stews, etc. It is very highly prized in the South.

**PERKINS' MAMMOTH LONG POD**—A new okra, esteemed by canners and market gardeners. It is a great improvement on the old green podded sorts. Large, handsome green pods; fine quality; very productive; 4 to 5 feet tall. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 20c; 1 lb., 60c.

**WHITE VELVET**—The pods of this variety are not ridged or square edged, but are round and smooth, and much larger than the other sort. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 20c; 1 lb., 60c.

**DWARF GREEN**—Plants of dwarf, stocky growth, wonderfully prolific and mature pods ready for use ten days to two weeks earlier than the tall varieties; pods 3 to 4 inches in length and heavily ridged. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 20c; 1 lb., 60c.

## NASTURTIUM

**TALL MIXED GARDEN**—Sometimes called Indian Cress. Grown not only for ornament but the beautiful orange colored flowers and foliage are used for garnishing and the young leaves or shoots are excellent for salads. The green seed pods are greatly esteemed by many for use in mixed pickles. The vines can be supported if so desired by stakes, strings or brush. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.



Large Red Wethersfield





## PARSLEY

**CULTURE**—The seed is very slow to germinate and should be sown very early in the spring, previously soaking the seed for a few hours in warm water. Sow in drills 1 foot apart, and when the plants are well up thin to 1 foot in the row. When the plants are about 3 inches high cut off all the leaves; the plant will be brighter and better curled; every cutting will result in improvement. One ounce to 150 feet of drill.

**CHAMPION MOSS CURLED**—This is a vigorous, compact growing variety, excellent for garnishing and flavoring, and a handsome decorative plant. Leaves very finely cut and so closely crisped or curled as to resemble bunches of moss. Owing to its uniformity, fine, deep green color and very attractive foliage, this is one of the most popular sorts for both the market and home garden. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

**PLAIN**—The leaves of this variety are flat, deeply cut, but not curled. Very desirable for flavoring soups and stews and for drying. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

**TURNIP ROOTED**—A fleshy rooted variety. Prepaid, pkt., 10c; oz., 20c.

## PEAS

**CULTURE**—For early peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided as they cause a rank growth of vine at the cost of the quality of the peas. Sow as early as possible a few of some early variety on warm, quick soil, prepared the fall before, planting in double rows 6 to 8 inches apart and 2½ to 4 feet between the double rows. Larger pods and more of them will be produced if the seed be planted in trenches 3 to 6 inches deep and covered with only 1 or 2 inches of soil; when the plants are 5 to 6 inches high fill the trench level with the surface. If the peas be covered to the full depth at first, or if water be allowed to stand in the trenches, they will not germinate or grow well. All varieties growing more than 1½ feet do better if staked up or brushed when 4 to 6 inches high. The support is usually given by sharpened branches of trees set between the double rows.

### FIRST EARLY AND EARLY VARIETIES

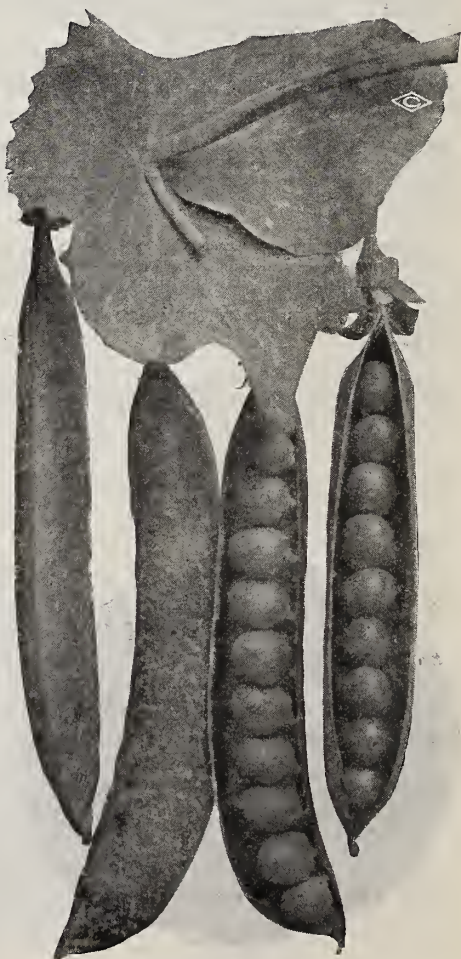
**HARNDEN'S AERO PEA**—One of the greatest peas ever introduced for the market or home gardener who wants a pea extra early in the season. A splendid variety for earliest use, possessing all the good points of the American Wonder but yields two or three times as much and being earlier. Grows about 9 inches tall and produces an abundance of long, medium colored pods of about 5 inches in length which contains from 7 to 9 peas. Prepaid, pkt., 10c; ¼ lb., 15c; 1 lb., 40c.

**MCLEAN'S LITTLE GEM**—An early dwarf pea, of superior flavor and very prolific. Height 14 inches. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

## PARSNIPS

**CULTURE**—The parsnip thrives best in a deep, mellow soil. Sow the seed early in the spring in rows 15 inches apart covering the seed half an inch deep; thin out the plants when well up to 5 inches apart in the rows.

**HOLLOW CROWN, or GUERNSEY**—Smooth, large roots, sweet and of most excellent flavor. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.



Harnden's Aero Pea

Champion Moss Curled



## FIRST EARLY AND EARLY VARIETIES—Continued

**NOTT'S EXCELSIOR**—It resembles the American Wonder, but the vines are larger and more vigorous. Height 12 inches. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**GRADUS, or PROSPERITY**—The earliest large podded pea in cultivation; the immense pods are as large as those of the Telephone; uniformly well shaped, nearly round and well filled with large, handsome peas. The vine has heavy stems, with large dark green leaves; grows 3 feet in height. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**LITTLE MARVEL**—For the early crop, this variety is better than American Wonder or Nott's Excelsior, as it matures earlier and the pods contain more peas. It is dwarf, about 15 inches high, plants are very productive, bearing many twin pods, which are dark green. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**HARDEN'S FIRST AND BEST**—The earliest and most even strain of white, extra early peas. Vines vigorous and hardy, of medium height, about 2½ to 3 feet, bearing 3 to 7 straight pods of good size, about 2½ to 2¾ inches long, each containing 5 to 7 medium sized, smooth peas of fair quality. Seed small, smooth, yellowish white. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**EARLIEST OF ALL or ALASKA**—Vines medium height, about 2½ to 3 feet and of distinctive light color. Pods of good size, about 2½ to 2¾ in. long filled with light green peas of good flavor. Seed small, smooth and bluish green in color. Matures all the crop at once and is an invaluable variety for market gardeners and canners. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**HARDEN'S ELECTRIC**—The earliest wrinkled pea and largest podded of the dwarf varieties. It is also one of the most vigorous in growth of vine and is unsurpassed in quality.



Earliest of All or Alaska



Thomas Laxton

The pods mature very nearly as early as those of Nott's Excelsior, but are broader and with the foliage distinctly lighter green. Pods large for so early a variety, 2¾ to 3 inches long. Vines about 14 to 16 inches high. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**AMERICAN WONDER**—The earliest of the wrinkled sorts; grows about 9 inches high and is covered with well filled pods, often containing 7 or 8 tender and sweet peas. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**THOMAS LAXTON**—Closely resembles the Gradus in habit and rapidity of growth. It is one of the finest early large podded peas, in earliness within a day or two of the earliest of all, containing 7 or 8 very large peas of the richest flavor. Height, 3 to 3½ feet, and one of the finest ever introduced. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

## LATER VARIETIES

**LARGE WHITE MARROWFAT**—The vines of this variety are about 5 feet high and of strong growth. The pods are large, cylindrical, rough, light colored and well filled; seed large, smooth, round and light yellow. The variety is excellent for summer. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.

**EVERBEARING**—Grows from 1½ to 2 feet high, of branching habit, pods from 3 to 4 inches long, containing from 6 to 8 of the very largest peas, of particularly rich flavor. Unsurpassed in quality and very productive, continuing a long time in bearing. Prepaid, pkg., 10c; ¼ lb., 15c; 1 lb., 40c.



Large White Marrowfat

For best success with Peas, they must be planted early in this section. March 1st for all smooth seeded varieties and as soon as the ground is warm for the wrinkled varieties is the correct planting season.



## PEPPERS

**CULTURE**—Sow seed early in hotbed, or about middle of spring, in open seed bed, the soil being light and warm. When 3 inches high transplant in rows about 2½ feet apart and 2 feet apart in the rows. Cultivate and keep free from weeds. Guano or hen manure hoed into the rows when about 6 inches high will certainly increase the growth.

**CHINESE GIANT PEPPER**—One of the very largest and best mango peppers; mammoth size, splendid shape, bright glossy pods; mild flavor. Very shy seeder. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.75.

**IMPROVED BULL NOSE OR SWEET MOUNTAIN**—A very large sort of inverted bell shape, suitable for filling or for a mixed pickle; flesh thick, hard and less pungent than most other sorts. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**RUBY GIANT**—A beautiful variety, being a cross between the Ruby King and the Chinese Giant. It possesses the large size of the Chinese Giant and the splendid shape of the Ruby King. The flesh is mild and sweet, making a good salad sliced and served with tomatoes. This new sort will undoubtedly become very popular both in the home and in the market garden. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.75.

**RUBY KING**—The peppers are of a bright ruby red color, from 4½ to 6 inches long, by 3½ to 4 inches in diameter. Flavor mild, and can be sliced and eaten with pepper and vinegar like tomatoes. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.50.

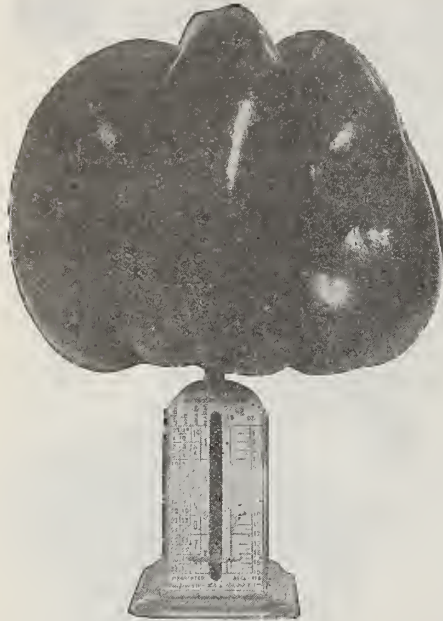
**CELESTIAL**—A beautiful and attractive plant; the peppers, up to the time when they are fully grown, are of a delicate, creamy yellow color, and when fully grown change to an intense vivid scarlet, making the plant, when loaded with fruit, part of one color and part of the other, very attractive. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.75.

**TRUE RED CHILI**—Very piquant and prolific; small slim fruits, generally used for making pepper sauce. Prepaid, pkt., 10c; oz., 50c.

**TOBASCO**—The plants develop into large bushes, bearing profusely the little bright peppers in sprays. A mature pepper measures about one inch in length. These peppers are extremely hot and fiery in flavor. Prepaid, pkt., 10c; oz., 50c.

**PIMENTO**—The fruits of this variety are exceptionally smooth and glossy, of good size, medium length and attractive color. The flesh is very thick and solid, mild and very fine flavor. Desirable for salads and stuffed peppers. The plants are vigorous and upright, about two feet high, with short, broad, dark green leaves. The fruits are deep green when young, becoming deep red when they mature. Prepaid, pkt., 10c; oz., 50c.

**LONG RED CAYENNE**—Pods small, cone shaped, scarlet red, and when ripe use for pickles and pepper sauce. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.50. See Specialties, Page 2.



Chinese Giant

## PUMPKINS

**CULTURE**—Pumpkins are not so particular in regard to soil as melons or cucumbers, but are cultivated the same, though on a larger scale. They are raised between hills of corn or in fields by themselves. After danger of frost is over plant the seed in hills 8 to 10 feet apart each way, dropping about a dozen seeds in each hill. Have the soil as rich as possible: One pound for 200 or 300 hills; 4 pounds per acre.

**KING OF THE MAMMOTH**—This is the genuine King of the true Mammoth Pumpkin. The largest pumpkin grown, often attaining a weight of 200 pounds and over. The flesh and skin are of a bright, golden yellow color; of excellent quality and a splendid keeper. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

**SWEET POTATO**—Pear shaped, medium sized; creamy white in color, sometimes striped with green; flesh fine grained and very sweet. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.

**SMALL SUGAR**—Handsome and prolific; of small size, average about 10 inches in diameter. Skin deep orange yellow. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.

**CONNECTICUT FIELD**—One of the best for field culture; can be grown with corn, largely used for stock feeding. Deep, rich yellow color. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

**LARGE CHEESE, or KENTUCKY FIELD**—A popular variety in the South. Fruit flattened; skin mottled light green and yellow; flesh tender; excellent quality. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 20c; 1 lb., 65c.

**CUSHAW**—A prolific variety; large size, frequently weighing 60 pounds and over; white striped and mottled with green. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.



Sugar of New England Pie Pumpkin



Field of Connecticut Field Pumpkins



## RADISHES

### HARDEN'S SELECTED RADISH SEED—

For outdoor planting sow as early in the spring as the ground can be worked. A rich, sandy loam is the best for radishes; avoid the use of rank manure. A light dressing of nitrate of soda will greatly stimulate the growth and insure tender, brittle roots. Sow in drills about 12 inches apart and thin out to keep from crowding. Successional sowing from 10 to 12 days will keep a supply. For forcing seed in the hotbed or under glass in rich, sandy soil, made perfectly level. Scatter the seed evenly over the soil, and cover with about ½ inch of sifted earth. Water carefully and keep moist.

**EARLY SCARLET TURNIP**—A round, red, turnip-shaped radish with small tops and of very quick growth, deserving general cultivation on account of its rich scarlet red color and white, crisp and tender flesh. Very desirable for early outdoor planting, as well as forcing. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

### EARLY SCARLET TURNIP, WHITE TIPPED

—One of the handsomest of the turnip radishes and a great favorite in many large markets for early planting outdoors. It will give entire satisfaction where extreme earliness and small tops are not the chief consideration. Roots nearly round, slightly flattened on the under side, color very deep scarlet with a distinctly white tip. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**EARLY SCARLET GLOBE**—The roots of this variety are slightly olive-shaped, a rich bright scarlet in color; flesh white and tender. We especially recommend this to gardeners as a large, first early forcing radish. It is also very desirable for first early planting outdoors. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.



Icicle Radish



Sparkler Radish

**PHILADELPHIA WHITE BOX**—Roots round and smooth, very white and handsome; remains solid and juicy long after full grown; desirable for forcing, but a splendid outdoor radish as well. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**CRIMSON GIANT TURNIP**—The best radish for forcing or for early planting out of doors; will grow larger and remain solid longer than any other round, red forcing radish. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**FRENCH BREAKFAST**—A quick growing, small, olive-shaped radish about 1½ inches long by ¾ to ¾ of an inch in diameter when fully grown. Color, beautiful deep scarlet except a little clear white about the tip. Its small top and earliness make it very desirable for growing under glass as well as for planting outdoors. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**HALF LONG DEEP SCARLET**—The roots of this desirable early variety are of a deep, rich color and are olive-shaped or half long with a somewhat tapering point. Tops comparatively small. Flesh very white, crisp and tender, and does not become pithy as soon as most other early sorts. Roots, when mature, about 2½ to 3 inches long. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**EARLY LONG SCARLET, SHORT TOP, IMPROVED**—This is a standard, most excellent sort, either for the home garden or the market. Tops short and comparatively small. Roots smooth, slender, uniform in shape and very attractive bright red in color. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**IMPROVED CHARTIER**—The color at the top is crimson, running into pink about the middle, and from thence down it is pure waxy white; it is of quick growth, and does not become stringy. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

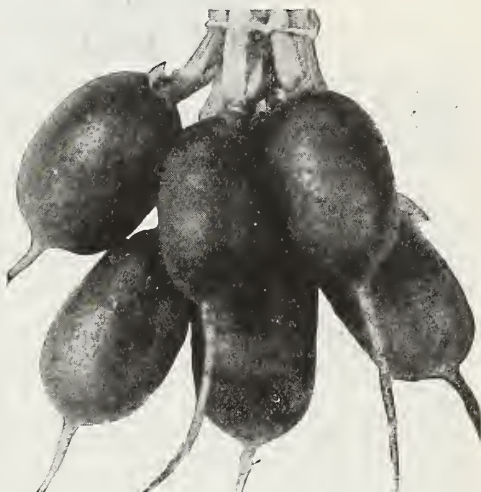
**WOODS' EARLY FRAME**—This variety is similar in shape to the long Scarlet, but shorter and fully ten days earlier; much used for forcing. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**LONG WHITE VIENNA OR LADY FINGER**—This is one of the finest long radishes, beautiful in shape, skin and flesh pure white. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**ICICLE**—The earliest and finest long white radish. The young radishes are ready for use even earlier than the long Scarlet, and continue to grow for a long time fully retaining their tenderness and mild flavor until quite large. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**WHITE STRASBURG**—A leading sort on our market; half long in shape; both skin and flesh pure white, firm and brittle; grows to a large size and withstands severe heat. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

**SPARKLER**—Rich carmine color with pronounced tip of purest white. The roots even when fully developed, are solid, crisp and sweet. It is equally well adapted for forcing in frames or growing in the open ground, for while the leaves are small, they are sufficiently large for bunching. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.



Early Scarlet Globe Radish

## WINTER VARIETIES

Seed for winter radishes should be sown about the 1st of August in rich, warm, sandy loam, in rows about 20 inches apart, covering with half an inch of fine soil firmly pressed down. For winter use, the roots should be pulled and packed in damp sand and stored in a cool cellar.

**CELESTIAL**—Sold also as Chinese White Winter. Roots long with beautiful white skin and flesh, usually the least pungent of the winter varieties. Flesh compact and crisp. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**ROSE CHINA WINTER**—One of the best fall radishes; a favorite with market gardeners. Bright rose color, flesh white, firm and of superior quality. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**ROUND BLACK SPANISH**—Skin black, flesh white; roots round; very compact and pungent, but well flavored. Keeps well through the winter. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**LONG BLACK SPANISH**—One of the latest and hardest long radishes, especially adapted for winter use. Roots rather long, thick, almost black, with white flesh. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.





Warty Hubbard

## SQUASH

Do not plant until the weather is warm and settled. The plants are very tender and sensitive to cold. Use the same culture as for cucumbers and melons, but squash is less particular as to soil. Three plants are sufficient for one hill. For early squashes seed can be planted in boxes and transplanted.

### WINTER VARIETIES

**WARTED HUBBARD**—The principal late squash for commercial purposes. An improvement on the old Hubbard. Skin heavily warted. The best late squash to plant for general crop. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**GOLDEN HUBBARD**—A perfect type of the Green Hubbard, except in color, which is a bright, deep orange yellow; very showy and attractive. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**BOSTON MARROW**—A fall and winter variety of medium large size, oval shape, bright orange color, with a shading of light cream color. Flesh rich yellow, fine grained, rich, delicious flavor. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**DELICIOUS**—Delicious Squash is particularly excellent in table quality and is by some preferred even to the Hubbard. It is a very early winter variety of medium size; shell moderately hard but very thin; flesh thick, fine grained and bright yellow in color. Even when immature, this squash is in condition for use and is of very fine flavor. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

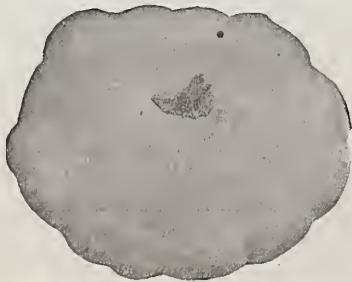
**PIKE'S PEAK**—Large, oval fruits, tapering at the blossom end. Skin dark olive green; light golden flesh of excellent quality. Vines vigorous and very productive. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

### SUMMER VARIETIES

**MAMMOTH WHITE BUSH SCALLOP**—An early flat, scalloped variety, pure white; favorite early sort. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**GIANT SUMMER CROOK NECK**—Early, rough, warty surface, orange yellow; good quality. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**ITALIAN VEGETABLE MARROW**—The vines are of bush habit and produce large much elongated fruits, dark green at first but as they mature becoming marbled with yellow and lighter green in stripes. The fruits are in best condition for the table when 6 to 8 inches long but can be



Mammoth White Bush Scallop

used when somewhat larger. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**EARLY YELLOW BUSH SCALLOP**—A very early, somewhat flattened, scalloped bush squash of largest size. Skin deep orange, flesh pale yellow and of very good flavor. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$2.00.

**DELICATA**—The earliest and most prolific of the vine squashes, and although of small size, the flesh is wonderfully solid, with a small seed cavity. It cooks dry and is rich flavored. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

## RHUBARB OR PIE PLANT

Sow in drills 1 foot apart, 1 inch deep. When a few inches high thin a foot apart. In the fall prepare the ground for the final bed by deep trenching. Mix manure with the soil; the richer the soil and the deeper it is worked the better. Set the plants 3 feet apart each way. The stalks should not be cut the first spring.

**VICTORIA**—Large and tender. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

### RHUBARB ROOTS

Large roots, each 15c; two for 25c; per dozen, \$1.50. Small roots, each 10c; 3 for 25c; per dozen, 75c; add 5c each for postage if to go by mail.

## SALSIFY or Vegetable Oyster

One of the most desirable winter vegetables. The roots when cooked are very palatable and are served in a variety of different ways.

**CULTURE**—It succeeds best in a light, well enriched soil; coarse and fresh manure should be avoided, as it will surely cause the roots to grow uneven and ill-shaped. Sow the seed as early as possible, and quite deep in drills about 18 inches apart and thin the plants to 3 inches in the row.

**MAMMOTH SANDWICH ISLAND**—This variety grows to an extra large size, averaging fully double the size and weight of roots of the old French variety. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.00.

Round Thick  
Leaf Spinach

## SPINACH

**CULTURE**—Spinach is an important market gardener's crop, of easy culture. For spring and summer use, sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use, sow in September in well manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves. The New Zealand spinach which requires more room, as it makes a large and spreading plant, may be started from seed early in the spring to give greens during the heat of summer. Light applications of nitrate of soda have often a magical effect on spinach.

**BLOOMSDALE, or SAVOY LEAVED**—Leaves large, curled and wrinkled, like Savoy cabbage; very hardy. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c.

**ROUND THICK LEAF**—Good for either fall or spring sowing; very hardy; leaves large, round, thick. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c.

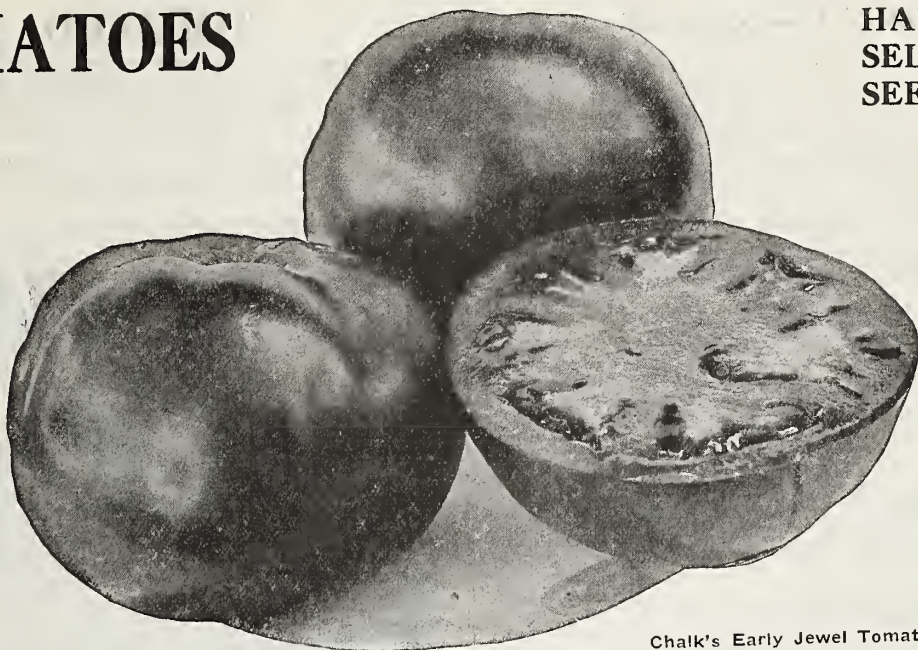
**NEW ZEALAND**—Unlike other spinach, it thrives during hot weather or in any soil. The tender shoots are of good quality and may be cut through the summer. Plant 3 or 4 seeds in hills 2 feet apart each way. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00.

See Specialties, Page 2.



# TOMATOES

## HARNDEN'S SELECTED SEED



Chalk's Early Jewel Tomato

**CULTURE**—Tomatoes do best on not over rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Even a slight check while the plants are small will materially diminish their productiveness. Sow the seed in hotbeds or seed boxes, and when the plants have four leaves, transplant into shallow boxes or cold frames.

**GOLDEN PONDEROSA**—This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Pkt., 10c; oz., 60c; ¼ lb., \$1.75, prepaid.

**HARNDEN'S NEW CARDINAL**—Crops until killed by frost. For tomatoes of the largest size, always perfectly smooth, firm and handsome, fine keeping qualities and finest flavor. It is an excellent tomato for the market or canners' use on account of the tomato being firm and will keep quite a while after the fruit is ripe.

The fruit of a rich cardinal red, solid, smooth and free from core. It is strong, vigorous grower, with thrifty vines which produce large handsome tomatoes abundantly throughout the season.

The tomatoes are always of the largest size; they do not become smaller even later in the season, as the healthy growth of the vine and foliage carry magnificent. One of the best main crop tomatoes. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.75.

**ACME**—One of the best, earliest, purple-fruited tomatoes in existence. As a shipping sort for growing in Southern states it is unsurpassed. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**BEAUTY**—Rich, glossy crimson, with a slight purple tinge; large size, very smooth and solid. Vines make strong growth and are very productive; fruits begin ripening about mid-season. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**DWARF CHAMPION**—The best early tomato grown; en-

tirely distinct in habit of growth and foliage; vines are dwarf and compact, grow stiff and upright with thick, short jointed stems. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**BONNY BEST**—An early and productive variety. Fruits are round, somewhat flattened at stem end, and are produced in abundance. The color is scarlet and it is a good forcing Tomato. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.75.

**JOHN BAER**—The largest fruited, smoothest, finest in quality of the extra early tomatoes. Vines short, vigorous and enormously productive; they ripen a much larger crop in the early part of the fruiting season than any other extra early variety. Fruits globular, unusually uniform and smooth. Free of wrinkled, cracked fruits. The color is a beautiful bright scarlet. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**DWARF STONE**, the Largest Dwarf Tomato—Is the largest dwarf tomato in existence, it resembles Dwarf Champion in habit, but is of stronger growth and more erect. The fruit is red, in shape and size similar to Tall Stone. The season is nearly as early as Dwarf Champion but the fruits are twice the size of that sort. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

**GOLDEN QUEEN**—Fruits large and smooth; color a beautiful golden yellow, sometimes with a slight blush of red, as smooth and well shaped as the best of the red varieties and of superior flavor. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.40; 1 lb., \$5.00.

**GREATER BALTIMORE**—Just double the yield of many of the best cropping tomatoes you have ever grown. Smooth, well formed and deep from stem to blossom. Its extremely heavy weight is due to its firmness and great meatiness. It ripens evenly to the stem and is entirely free from ridges, cracks and blight. Brilliant red color. Prepaid, pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.50.

**CHALK'S EARLY JEWEL**—Within a week or ten days as early as the famous Sparks' Earliana. It is even a heavier cropper, with tomatoes of larger size and sweeter flavor, while its more robust growth makes it a surer cropper. Of compact growth. Large, handsome fruits, very solid, deep through. Color brightest scarlet, ripening right up to the stem without any cracks or green core. Flesh thick, bright scarlet, solid, with comparatively few seeds and of sweet flavor. Prepaid, pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.75.

**CRIMSON CUSHION**, or **BEEFSTEAK**—Fruit large; color bright scarlet; flesh solid and of good quality; cells small and few in number; very productive; fruit finely formed and of handsome appearance. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.



John Baer Tomatoes



## TOMATO—Continued

**HARDEN'S GIANT CLIMBING**—We have here the ideal tomato for the city farmer or backyard garden. A large tomato of rich red color, some of which weigh as high as 1½ lbs.; solid, meaty and an excellent canner. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**JUNE PINK**—The Best Extra Early Pink—In many, perhaps the greater number of markets, a pink early tomato is most desired; this is the earliest of the pink varieties and is similar in habit to the famous Earliana. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$4.50.

**MATCHLESS**—A large, bright red tomato; fruit large, smooth and symmetrical; flesh bright red color. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**NEW STONE**—Large, smooth tomato; color bright scarlet; ripens evenly on the stem; solid; an excellent shipper; very productive; fine for canning. Prepaid, pkt., 10c; oz., 40c; ¼ lb., 90c; 1 lb., \$3.00.

**PONDEROSA**—This is one of the largest varieties. Although somewhat irregular in shape it is good, both as a slicing tomato and for stewing. The fruits are of a purplish pink color; very solid and ripens early, continuing to do so until frost. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.

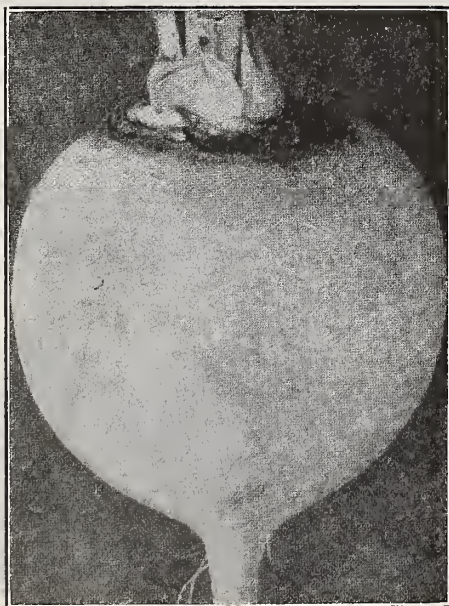
**YELLOW HUSK or GROUND CHERRY**—Very sweet, mild flavor; used for preserves. Vines low and spreading. Fruits small, about one-half inch in diameter enclosed in a loose husk. The seed we offer is that of the true Yellow Ground Cherry, not the purple fruited sort that is scarcely edible. Prepaid, pkt., 10c; oz., 40c.

**SPARK'S EARLIANA**—This tomato has become very popular with many growers of tomatoes for early market; it is a very excellent variety, good size, good color; twice as many plants can be grown on an acre of this variety than any other variety grown. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**TRUCKER'S FAVORITE**—The finest large fruited purple tomato. Most regular in form and size, thick-meated and very solid; this is one of the largest smooth tomatoes grown. Well ripened throughout. The smooth flesh fruits always bring the highest prices on our Kansas City market, where their fine flavor is especially esteemed. The fruits continue of large size to the very last, and are always unexcelled for slicing or cooking. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.

**YELLOW PEAR**—A pear-shaped variety, used for preserving. Vines are very heavy yielders. Prepaid, pkt., 10c; oz., 40c.

**YELLOW PLUM**—Fruits plum-shaped, of clear, deep yellow color; flesh yellow and finely flavored. Much esteemed for preserves. Prepaid, pkt., 10c; oz., 40c.



Purple Top White Globe

## TOBACCO

One Ounce of Good Seed Is Sufficient for an Acre.  
**CULTURE**—Sow seed for plants early in spring in frames or seed bed, using soil well enriched with wood ashes, etc. Transplant to open ground when weather has become warm and settled, in rows 4 feet apart, and give cultivation as for corn.

**WHITE BURLEY**—This variety is especially valuable to manufacturers, either for cut or plug tobacco. It is sometimes used for wrappers. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.75.

**MISSOURI BROAD LEAF**—Extensively grown in Kansas and Missouri; the large broad leaves are used for the wrappers. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.75.



Purple Top Strap Leaf

## TURNIPS

First early varieties of turnips should be planted just as early in the spring as the ground is dry and warm. You may sow them in drills, beds or late broadcast, or among corn. The Winter Rutabaga varieties and also the early sorts will do better if planted in drills. Make the drills at least 18 inches apart, and then thin out the plants when well up to from 6 inches apart down to 3 inches, according to the variety.

**PURPLE TOP WHITE GLOBE**—Improved variety of Purple Strap-Leaf, globular shaped, smooth and a favorite sort for market gardeners. It keeps well, and is excellent for early or winter market. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 70c.

**AMBER GLOBE**—Yellow flesh, firm, fine grain; very sweet; skin yellow, with green top; keeps well; very popular in the South. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 70c.

**EXTRA EARLY RED TOP MILAN**—The earliest strap-leaf variety, maturing a week earlier than any other sort; bulbs white, purplish top; flat and solid. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**EARLY WHITE EGG**—Pure white, egg shaped, rapid grower and fine quality. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 70c.

**PURPLE TOP STRAP LEAF**—The most popular variety grown. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 70c.

**EARLY WHITE FLAT DUTCH**—A popular, well-known early sort; the best variety for spring sowing. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 70c.

**SEVEN TOP or FORESTER (Winter Green)**—Used extensively in the South for winter green; does not produce a good bulb; desirable only for its tops; is very hardy and will grow all winter. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 70c.

## RUTABAGAS OR SWEDES

**CULTURE**—Sow the seeds a month earlier than turnips. Rutabagas should be sown on ground enriched with well rotted manure, in drills 2½ feet apart, and should be thinned to 6 to 8 inches apart in the row.

**PURPLE TOP YELLOW**—Leading yellow variety; very productive, solid and excellent flavor; the roots grow to a large size, and are of the finest quality; unsurpassed for stock feeding. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 70c.



## AROMATIC, MEDICINAL AND POT HERBS

ANISE. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.  
 BALM. Prepaid, pkt., 10c; oz., 50c.  
 BASIL, SWEET. Prepaid, pkt., 10c; oz., 50c.  
 BORAGE. Prepaid, pkt., 10c; oz., 35c.  
 CARAWAY. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.  
 CORIANDER. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.  
 DILL. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.  
 FENNEL, SWEET. Prepaid, pkt., 10c; oz., 15c.  
 HOREHOUND. Prepaid, pkt., 10c; oz., 50c.

HYSSOP. Prepaid, pkt., 10c; oz., 50c.  
 LAVENDER. Prepaid, pkt., 10c; oz., 50c.  
 MARJORAM, SWEET. Prepaid, pkt., 10c; oz., 30c; ¼ lb., \$1.25; 1 lb., \$4.00.  
 ROSEMARY. Prepaid, pkt., 10c; oz., 50c.  
 RUE. Prepaid, pkt., 10c.  
 SAFRON. Prepaid, pkt., 10c; oz., 35c.  
 SAGE. Prepaid, pkt., 10c; oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.  
 SAVORY, SUMMER. Prepaid, pkt., 10c; oz., 15c.  
 THYME. Prepaid, pkt., 10c; oz., 50c.  
 WORMWOOD. Prepaid, pkt., 10c; oz., 25c.

## HOW TO BUILD AND MANAGE HOTBEDS

For early vegetables, some provision for starting certain plants earlier than can be done in the open air is desirable; for this purpose nothing is better than a good hotbed and its construction is so simple and the expense so slight, that every garden should have one. A hotbed proper not only protects the plants from the cold, but supplies bottom heat. By this term the gardener means that the soil is constantly kept several degrees warmer than the air above, that being the condition, so far as heat is concerned, which is most favorable for rapid and vigorous growth, and gardeners usually secure it by making a compact pile of some fermenting material and covering it with the earth in which the plants are to grow.

**HEATING MATERIAL.**—The best heating material that is easily available is fresh horse manure, containing a liberal quantity of straw bedding. Such manure, if thrown into a loose pile, will heat violently and unevenly and will soon become cold. What is wanted in the hotbed is a steady and moderate but lasting heat. To secure this, the manure should be forked over, shaken apart, and, if dry, watered and allowed to stand a few days and then be forked over again, piled and allowed to heat a second time, the object being to get the whole mass into a uniform degree of fermentation, and as soon as this is accomplished it is fit for use.

**SASH.**—Some gardeners use sash made especially for hotbeds and glazed with small lights cut from odds and ends and so furnished at very low rates. Such sash can usually be procured in any of our large cities and costs much less than if made to order. For garden use, however, we much prefer a smaller sash that can be easily handled and the use of larger and better glass. We recommend that for home gardens the sash be about two and one-half by four or five feet and that the glass be not less than 10x14, laid with not more than one-quarter inch lap. In giving the order what they are to be used for, and that they need to be made like skylight sash.

**THE FRAME.**—This may be made of sound one-inch lumber, the back twelve to fourteen inches high, the front ten to twelve. It should be well fitted to the sash so as to leave as little opening as possible and yet allow the sash to be easily moved up and down, even when the frame is quite wet.

**THE SOIL.**—This should be light, rich, friable. Any considerable amount of clay in it is very objectionable. If possible, it should be unfrozen when put into the bed; for this reason it is much better to prepare it the fall before and cover the pile with enough coarse manure or straw to keep out the frost.

**MAKING THE BED.**—This requires careful attention, as future success depends largely upon the manner in which this work is done. Having cleared away snow and ice, build a rectangular bed one foot larger each way than the frame to be used, carefully shaking out and spreading each forkful and evenly pressing down, of the manure should be carefully bed as uniform as possible in solidity, composition and moisture. It is of the utmost importance that this shaking apart and evenly pressing down, of the manure should be carefully and thoroughly done; unless it is, one portion will heat quicker than the other and the soil will settle unevenly, making it impossible to raise good plants.

The proper depth of the bed will vary with the climate, season and the kind of plants to be raised. A shallow bed will quickly give a high temperature, which will soon subside; a deeper one, if well made, will heat more moderately, but continue much longer. For general purposes, a bed about two feet deep will be best.

The bed completed, the frame and sash may be put on and fresh manure carefully packed around the outside to the very top (if the weather is at all severe, this outside banking should be replenished as it settles). The bed should then be allowed to stand with the sash partially open for a day or two, to allow the steam and rank heat to pass off.

The earth should then be evenly distributed over the surface of the bed and carefully leveled. The earth should not be shoveled or dumped in one or more places in the bed and then leveled; if this is done, uneven settling of the bed invariably results. Care should be taken that the soil is dry and friable. If wet or frozen soil must be used, it should be

placed in small piles until well dried out before spreading. The heat at first will be quite violent, frequently rising to 120 degrees, but it soon subsides, and when it recedes to 90 degrees the seed may be planted. The importance of using dry soil and allowing the first rank heat to pass off is very great. Every season thousands of hotbeds fail of good results from these causes, and seedsmen are blamed for failure resulting from overheat or wet, soggy soil.

**MANAGEMENT OF THE BED.**—The essentials for success are a steady, uniform degree of heat and moisture; keeping the soil at all times a few degrees warmer than the air and the careful "hardening off" (by exposure to the air and diminishing the supply of water) of the plants before transplanting into the open air. Simple as these may seem to be, there are many difficulties in the way of securing them, prominent among which is overheating the air under a bright sun.

Without experience one would scarcely believe how quickly the temperature inside of a well-built hotbed will rise to 90 or 100 degrees upon a still, sunny day, even when the temperature outside is far below freezing, or how quickly the temperature will fall to that outside, if upon a windy, cloudy day the sash is left open ever so little. A rush of cold air driven over the plants is far more injurious than the same temperature when the air is still. Again, in cloudy weather, a bed will go several days without watering, but will dry up in an hour when open on a sunny day.

**A COLD-FRAME** is a simple construction of boards for wintering over young plants, Cabbage, Lettuce, Cauliflower, etc., and is also useful to protect and harden off plants from the greenhouse or hotbed before fully exposing them in the open air.

Select a dry, southern exposure, form a frame from four to six feet wide and as long as required. The back should be fourteen to eighteen inches high and the front eight to twelve, with a cross-tie every three feet. The frame may be covered with sash or cloth. Seeds of the vegetables to be wintered, sown in open border early in September, will be ready to plant in cold frames about the last of October. The soil should be well prepared and smoothly raked before planting. Admit air freely on pleasant days, but keep closed in severe weather.

These frames are particularly useful in the south and may be covered more cheaply with cloth shades than by sash. The shades are made as follows: Make light but strong wooden frames to fit over the bed and of a width to receive some common brand of cotton cloth. The cloth may be unbleached and should be stretched over and securely tacked to the frames.

**TRANSPLANTING.**—In transplanting, the main points to be regarded are: Care in taking up the plants as to avoid injury to the roots, setting out as soon as possible to prevent the air coming in contact with the roots, setting firmly so as to enable the plant to take a secure hold of the soil and shading to prevent the hot sun from withering and blighting the leaves. Where a rank or soft growth of tops has been made in hotbed it is frequently desirable to trim off some of the larger leaves before taking up to transplant; this will retard too rapid evaporation of moisture from the plant and usually will prevent wilting.

In transplanting from a hotbed, harden the plants by letting them get quite dry a day or two before, but give an abundance of water a few hours before they are taken out. It is most apt to be successful if done just at evening, or immediately before or during the first part of a rain, about the worst time being just after a rain, when, the ground being wet, it is impossible to sufficiently press it about the plant without its baking hard. If water is used at all, it should be used freely and the wet surface immediately covered with dry soil.

**WATERING.**—The best time to water plants is early in the morning or in the evening. Water may be given to the roots at any time, but should never be sprinkled over the leaves while they are exposed to bright sunshine. If watering a plant has been commenced, continue to supply it as it is needed, or more injury than good will result from what has been given. One copious watering is better than many scanty sprinklings. The ground should always be stirred with a hoe or rake before it becomes so very dry as to cake or crack.



# HARNDEN'S K. C. BRAND FLOWER SEEDS

Prices on Flower Seed are Prepaid Either to go by Mail or Express



Ageratum

## ABUTILON (Flowering Maple)

**FINE MIXED**—Considered indispensable for flowering indoors during the winter and spring months, and useful for bedding out in summer. Sown indoors any time before April, they will produce plants that will flower outdoors the first season and indoors all winter. Mixed colors. Prepaid, pkt., 25c.

## ACONITUM

Hardy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees. 3 ft. August. (Monkshood). Blue. Prepaid, pkt., 10c.

## ACHILLEA

**THE PEARL**—One of the best hardy, white perennials. Grows about 2 feet high and from spring till frost is covered with heads of purest white double flowers. Easily grown from seed, flowering the first season, if sown early. May to October. Prepaid, pkt., 25c.

## ACROCLINIUM (Everlasting)

This beautiful flower somewhat resembles the strawflower. It is largely used for winter bouquets, for which purpose the flowers should be cut before they are fully expanded. Height, 15 inches. Sow seed in early May.

**DOUBLE ROSE.** Prepaid, pkt., 10c.  
**DOUBLE WHITE.** Prepaid, pkt., 10c.

## AGERATUM

### Floss Flower

One of the very best bedding plants, being literally a sheet of bloom from early summer till frost. June until frost.

**IMPERIAL DWARF**—A charming variety, about 6 inches high, of dense, compact growth, covered with fine, woolly flowers of a deep lavender color. Prepaid, pkt., 10c.

**IMPERIAL DWARF WHITE**—Produces white flower-heads, instead of the blue of the preceding variety. Prepaid, pkt., 10c.

**LITTLE BLUE STAR**—Grows in miniature bushes 5 inches high. Blooms all summer, color sky-blue. Excellent for edging or rock work. Prepaid, pkt., 10c.

## AGROSTEMMA

**CORONARIA VARIETIES MIXED**—Attractive free-flowing, producing bright-colored flowers on long, slender stems like a single pink; blooms the first season. 1 to 2 ft. June to September. Prepaid, pkt., 10c.

## ALYSSUM (Mad Wort)

Pretty little plants for beds, vases, baskets, edging or rock work, blooming profusely all summer; useful also for winter flowering. Very sweet-scented. June until frost.

**SWEET ALYSSUM (A Martinum)**—Of trailing habit; flowers white. Very sweet-scented. Prepaid, pkt., 10c; oz., 40c.

**LITTLE GEM, or CARPET OF SNOW**—Of dwarf compact habit, but 4 inches high. It begins to bloom when quite small, and the plants are a solid mass of white from spring to late in autumn. Prepaid, pkt., 10c; ¼ oz., 25c; oz., 75c.

**ALYSSUM SAXATILE COMPACTUM ("Basket of Gold")**—Showy golden yellow flowers; hardy perennial; blooms the first season. April and May. Prepaid, pkt., 10c; ¼ oz., 30c.



Sweet Alyssum

## ADLUMIA

An interesting hardy perennial climbing vine, with beautiful dark rose flowers and delicate foliage. 15 ft.

**CIRRHOSEA (Mountain Fringe; Allegheny Vine)**—Prepaid, pkt., 10c.

### GENERAL DIRECTIONS FOR CULTIVATION

Most flowering plants will live in almost any soil, but to give them a fair chance to develop, some care should be taken to make the ground suited to their needs. The soil best adapted for flowering plants generally is a light, friable loam, containing a sufficient amount of sand to render it porous. Many flowers are better if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization and liberal enriching with large quantities of well-rotted manure. Since some other varieties produce the largest and finest colored flowers when grown on rather light, poor soil, a portion of the garden should not be enriched.

Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than 4 to 6 times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be easily seen; thin out the young plants to prevent crowding and keep entirely free from weeds.

Very small seeds, such as Portulacca, Canterbury Bell, Foxglove, Petunia, etc., should be merely sprinkled on the surface of the ground, after making it quite smooth with the back of the spade, and barely covered with fine sifted, light, mellow soil and afterwards protected from the scorching sun and heavy rains by a cloth, mat or some green branches stuck around them. If the weather, after sowing, should be dry, it will be necessary to water the places, where the seeds are sown, with a fine spray, regularly but slightly, every evening, as it is essential that the seeds, during the process of germination, should be kept constantly moist. From a neglect or oversight of this arise most of the failures, as the process of germination is shorter or longer in the different kinds of seeds, the patience of the cultivator is often sorely tried with the seeds of a slowly germinating character.





*The letter "B" of Bonnie Wee was fed Prosperity Shrub Food. Notice contrast.*

leaves to grow vigorously. The leaves will be unusually dark green and the blossoms large and deeply colored. Applied to flower beds before planting, it starts the seeds or young transplanted plants off with a rush.

Prosperity Shrub Food is sold at the following prices f. o. b. Kansas City, Mo.:

10 Pound Bag.....	\$1.45
25 Pound Bag.....	2.95

If you are not satisfied with any Prosperity Product, after giving it a fair trial, Prosperity Laboratories will refund your money. It is an old established firm, and wants to hold your confidence, and enjoy your patronage. If there are any plant nutrition questions that I might be able to help you with, please feel free to call or write me at any time. Simply address me Uncle John, care of

## Prosperity Laboratories

Telephone Norclay 1231

Sixteenth and Charlotte

NORTH KANSAS CITY, MISSOURI

# How to Grow a Beautiful Lawn and Shrubs

by  
*Uncle John*



## Harnden Seed Company

505 Walnut Street

Kansas City, Missouri





*This happened in 14 days when Prosperity Lawn Food was applied on starved lawn.*

We all want our own homegrounds to be the most attractive in our block. A good looking lawn and shrubs shows off our house to the best possible advantage.

Startling as it may seem, 90 percent of our lawns and shrubs are in some stage of starvation. Plants need food the same as we do. What steak, potatoes, and pastry is to us, nitrogen, phosphorus and potassium is to lawns, shrubs and flowers.

Continuous cropping with one crop impoverishes the richest soil. Grass is no exception and when not fed with proper food, the soil turns sour. Grass is a permanent crop and requires richer feeding than most crops. Thus you can see that we can't begin to feed our lawn too soon.

If our lawn, shrubs, and flowers are to make a vigorous growth all during the growing season, it is necessary that they be supplied with a continuous supply of nitrogen, phosphorus and potassium.

I have been growing grass, shrubs, and flowers for many years. Considering the price of the product, the ease of applying, and the growth produced, I have never obtained

as satisfactory results with the different forms of plant food as I have with Prosperity Lawn Food, and Prosperity Shrub Food.

Prosperity Lawn Food is a square meal for lawns. It contains all of the food, in the proper proportions, that grass needs. It will cause the grass to stool and cover the bare spots, and the stems and blades to turn a dark green color.

Prosperity Lawn Food is clean, contains no weed seeds, is odorless, contains more than three and one-half times as much plant food as the best grades of sheep manure, and can be applied at any time during the growing season except the hot, high humidity days of July and August. The cost is so small you can't afford to be without it.

Prosperity Lawn Food is sold at the following prices f. o. b. Kansas City, Mo.:

25 Pound Bag .....	\$2.45
50 Pound Bag .....	4.45
100 Pound Bag .....	7.90
500 Pounds, Per 100 Pounds.....	7.75
1000 Pounds, Per 100 Pounds.....	7.60
2000 Pounds, Per 100 Pounds.....	7.45

Prosperity Shrub Food applied to shrubs and flowering plants causes the stems and



*Prosperity Lawn Food produced this result in 15 days on well nourished lawn.*



## AMARANTHUS

Brilliant foliage annuals, growing from 3 to 5 feet high, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants or for the center of large beds. July to October.

**CAUDATUS** (Love-Lies-Bleeding) — Blood-red; drooping. Prepaid, pkt., 10c; ¼ oz., 25c.

**TRICOLOR** (Joseph's Coat) — Leaves red, yellow and green. Prepaid, pkt., 10c; ¼ oz., 25c.

## ANCHUSA (Italica Dropmore Variety)

One of the best hardy perennials, grows 3 to 5 feet high, and bears in abundance flowers of the richest gentian-blue, during May and June. Prepaid, pkt., 15c.

## ANEMONE

**ST. BRIGID'S STRAIN**—May-June. Double and single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Prepaid, pkt., 15c.

## ANTIRRHINUM (Snapdragon)

For gorgeous coloring, few flowers can match Snapdragon. The flowers are large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut flowers. They are easily raised from seed in any rich, sunny bed.

Tall, large-flowering varieties. The plants average 3 feet in height and will form large bushes, throwing up strong, stiff spikes, if given room and proper treatment. May until frost.

### LARGE-FLOWERING GIANT SNAPDRAGONS

**Queen Victoria**, 24 to 36 inches, white shaded cream, with lemon-colored lip; **Golden King**, yellow; **Dellcata**, delicate rose, with white throat; **Rose Queen**, brilliant rose pink; **Coral Red**, dark rose; **Dellia**, carmine and yellow, with white throat; **Brilliant Scarlet**; **Garnet**.

Any the above, prepaid, pkt., 10c; ¼ oz., 50c.

### SEMI-TALL SORTS. 18 to 20 inches

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

**Black Prince**, dark crimson; **Bonfire**, orange or flame color, it has the tints of firelight; **Canary Bird**, a beautiful shade of light lemon yellow; **Crimson Queen**; **Firebrand**, fiery orange scarlet; **Golden Queen**, rich yellow; **Queen of the North**, regular bushes covered with large white flowers; **Rose Dore**, a pretty self-salmon rose, shaded gold; **Silver Pink**, delicate rose pink, seemingly covered with a silver sheen.

Any the above, prepaid, pkt., 10c; ¼ oz., 40c.



Aquilegia or Columbine



Antirrhinum

## ANTIRRHINUM MAXIMUM

This wonderful new group of Antirrhinums far surpasses anything yet introduced. In habit they are slightly taller than the Majus group. The flowers are of magnificent size, closely placed on the spike. The group as a whole is slightly variable in size and color.

**Apple Blossom**, rosy pink, yellow lip; **Bunch of Lilac**, lilac purple; **Canary Bird**, canary yellow, golden yellow center; **Cattleya**, rosy lilac; **Cerberus**, carmine rose, yellow lip; **Copper King**, velvety copper scarlet; **Diamond**, golden yellow, lilac throat; **Golden Queen**, deep yellow; **Old Gold**, deep golden yellow; **Philadelphia Pink**, prepaid, pkg., \$1.00; **Purple King**, deep glowing purple; **Snowflake**, pure white, yellow tube; **The Rose**, rose pink; **Wallflower**, brownish orange, copper red; **Maximum Mixed**.

Any of the above, prepaid, pkt., 15c; ¼ oz., 75c; except as noted.

## AQUILEGIA OR COLUMBINE

The "Columbines" rank among the most beautiful and popular of all hardy plants, and, once established in the garden, they will last many years, but should be taken up every two or three years to be replanted after dividing the clumps. May and June.

**DOUBLE MIXED**—Prepaid, pkt., 10c.

**IMPROVED LONG SPURRED VARIETIES, MIXED**—Prepaid, pkt., 15c.

**COERULEA**—Blue and white. Prepaid, pkt., 10c.

**ROSE QUEEN**—Deep rose. Prepaid, pkt., 10c.

**CHRYSANTHA**—Yellow. Prepaid, pkt., 10c.

**JAETSCHAU**—Yellow, long red spurs. Prepaid, pkt., 10c.

**SKINNERI**—Green and gold, long spurs. Prepaid, pkt., 15c.

**GRANDIFLORA ALBA**—White. Prepaid, pkt., 10c.

## ARCTOTIS (African Daisy)

**GRANDIS**—A remarkably handsome annual from South-west Africa. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac-blue. It is easily grown from seed, and may be started in hotbed, in the house, or in the open ground. The plants may be expected to come into bloom early in July and continue until quite hard frost. It delights in a sunny situation. Prepaid, pkt., 10c.

## ASPARAGUS

**PLUMOSUS NANUS**—This graceful Asparagus is an excellent house plant. Prepaid, pkt., 25c; 100 seeds, \$1.00.

**SPRENGERI** (Emerald Feather)—One of the best plants to grow in suspended baskets, window boxes, vases, etc., for the greenhouse in winter and outdoors in summer. Prepaid, pkt., 10c; 100 seeds, 50c.





## Harnden's Special Strain of Selected Asters

### AMERICAN BEAUTY ASTER

For Description see Back Cover.

### AMERICAN ASTERMUM

A New Attractive Aster. Plants about 2 feet high, branching habit. Flowers large, double, well formed Comet class and a little earlier than Crego's.

Lavender, Rose Pink, White, and Finest Mixed. Prepaid, pkt., 10c; 1/8 oz., 50c.

### CALIFORNIA GIANT

This new Aster is an improved type of the popular Crego Aster, which has been hybridized until it has a decidedly upright stem and unusually large blossoms. Blooms 5 to 6 inches in diameter, with characteristic curled Crego petals, are produced on stems 20 to 24 inches in length. Plants are of branching habit; grow 2 to 3 feet high; commence to bloom in early September and continue until cut down by frost.

Their unusual beauty and size, as well as their long, sturdy stems of the non-lateral type, make them very attractive for floral decoration and particularly adapted for exhibition purposes.

Peach Blossom, Deep Rose, Light Blue, Dark Purple.  
Any of the above, prepaid, pkt., 25c.

### SEMPLES LATE BRANCHING

**LATE BRANCHING**—A class of very strong growing Asters, usually not coming into bloom until the latter part of August, but producing on very long stems full-petaled, exceptionally large, double blossoms of fine form. Plants distinctly branching, about 2 feet high.

Azure Blue, Cardinal, Deep Rose, Lavender, Light Rose, Peach Blossom, Purple and Perfection White.  
Any of the above, prepaid, pkt., 10c; 1/4 oz., 60c.

### CREGO'S GIANT COMET ASTERS

We consider this the finest and largest of all Comet Asters, bearing immense fluffy flowers 5 inches and over in diameter, as fine as any Chrysanthemum, and, when cut, keep in good condition longer than any other of this type.

Azure Blue; White, pure white; Pink, delicate shell-pink; Purple, bright purple; Rose, rich deep rose; Lavender, deep lavender; Crego's Mixed, all colors.

Any of the above, prepaid, pkt., 15c; 1/4 oz., 75c.

The Aster, in its many varieties, is unsurpassed for bedding and cutting, and is not only one of the most profitable annuals for the professional florist, but also one of the most satisfactory for the home garden. The great diversity of size, color, form and season of blooming makes it one of the most suitable plants for supplying cut flowers. The plants are usually of vigorous growth and so hardy that they endure a slight frost without serious injury.

By planting different strains at different times one may have succession of blooms from July until frost.

Seed may be sown outdoors as early in spring as the ground is warm and dry, or for earlier blooming may be started indoors or in a cold frame and transplanted in the open ground after danger of killing frost is over. If conditions are favorable they will usually do well in any well-prepared garden soil, but a strong loam that has been well fertilized the previous years is preferable. In planting cover the seed with about 1/4 inch of fine soil, firmly pressed down. The rows for most of the varieties should be about 1 1/2 feet apart.

### CRIMSON GIANT ASTER

Late branching type, but is of upright growth, with extra large, densely double flowers on stems 15 to 18 inches long, in color a very rich blood-crimson, making a brilliant bed or border. Prepaid, pkt., 15c; 2 pkts., 25c.

### HEART OF FRANCE ASTER

Plants about 2 feet high, branching habit. Flowers medium size. Bright crimson. Prepaid, pkt., 15c; 2 for 25c.

### KING ASTER (Needle Shaped Type)

Similar in habit to the late branching Asters, but producing a little earlier very large double blossoms of distinct form; many of the petals begin rather narrow and slightly quilled and curved. The inner petals are incurved, covering well the center. The plants are large and vigorous with long, strong stems.

Blackish Blue, Brilliant Rose, Crimson, Lavender, Violet, White, and Mixed.

Any of the above, prepaid, pkt., 10c; 1/4 oz., 50c.

### LAVENDER GEM ASTER

Plants about 18 inches tall, upright habit. Flowers Comet type, silvery white when young, changing to light lavender when fully expanded. Prepaid, pkt., 15c; 1/8 oz., 40c.

### MIKADO ASTER

Plants about 2 feet high, branching habit. Flowers of the Comet class, large and double.

Crimson, Dark Violet, Lavender, Deep Rose, White, and Finest Mixed.

Any of the above, prepaid, pkt., 10c; 1/4 oz., 60c.



**ASTERS—Continued****OSTRICH FEATHER ASTERS**

This magnificent Aster produces flowers of immense size, made up of long, loosely formed petals. Blooms in August. Bright Rose, Crimson, Lavender, Shell Pink, Violet Blue, Pure White, Light Blue, Sky Blue, Mixed, all colors. Any of the above, prepaid, pkt., 15c; ¼ oz., 75c.

**QUEEN OF THE MARKET**

Very desirable on account of the earliness, as well as profuse blooming and wide range of colors. The plants are of branching habit, about 18 inches high, bearing on long stems from ten to fifteen finely formed double flowers of medium size. Fine for cutting.

Crimson, Flesh, Lavender, Rose, Purple, and White. Prepaid, pkt., 10c; ¼ oz., 60c.

All Colors, mixed. Prepaid, pkt., 10c; ¼ oz., 50c.

**ROYAL ASTER**

These are dwarf, branching, about 2 feet high. Flowers of the branching class, coming into bloom directly following the Queen of the Market.

LAVENDER—Soft lavender-violet. Prepaid, pkt., 15c; ¼ oz., 60c.

PURPLE—Deep purple. Prepaid, pkt., 10c; ¼ oz., 60c.

DEEP ROSE. Prepaid, pkt., 10c; ¼ oz., 60c.

SHELL PINK. Prepaid, pkt., 15c; ¼ oz., 60c.

WHITE. Prepaid, pkt., 15c; ¼ oz., 60c.

FINEST MIXED. Prepaid, pkt., 15c; ¼ oz., 60c.

**IMPROVED VICTORIA  
(Daybreak Type)**

This is by far the finest of all Asters for beds or borders where an even growth and a mass of flowers are wanted for effect; the sturdy upright plants, 12 to 15 inches high, carry not less than fifty flowers each, producing a mass of color unequaled by any other; blooms from early August till late October.

DAYBREAK—Delicate La France pink. Pkt., 15c.

PURITY—Purest white. Pkt., 15c.

PALE LAVENDER—A delicate shade. Pkt., 15c.

ROSE-PINK—Rose shading to blush-pink. Pkt., 15c.

SALMON-PINK—Rich salmon-pink, exquisite. Pkt., 15c.

PURPLE—Pkt., 15c.

CHOICEST MIXED—All colors. Pkt., 10c; ¼ oz., 75c.

**BALLOON VINE**

LOVE-IN-A-PUFF—A rapid-growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels like miniature balloons. August until frost. Prepaid, pkt., 10c; oz., 25c.



Asters, Ostrich Feather

**BALSAM**

An old and favorite flower, producing its gorgeous masses of beautiful brilliant colored flowers in great profusion; of easy culture; succeeds in good rich soil; tender annuals; 2 feet. June to October.

DOUBLE CAMELLIA FLOWERED—Undoubtedly the showiest and most attractive variety of Balsam. Mixed colors. Prepaid, pkt., 10c; ¼ oz., 35c.

Alba Perfecta, light pink; scarlet; Rose King, all colors mixed. Prepaid, pkt., 10c; ¼ oz., 35c.

**BARTONIA AUREA  
(Blazing Star)**

One of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting. Sow early in May. July to October. Pkt., 10c; ¼ oz., 25c.

**BELLIS PERENNIS**

ENGLISH DAISY—A favorite perennial; will bloom the first year from seed planted in the spring; will bloom for years if slightly protected in the winter. April and May.

LONGFELLOW—Large, double pink, double white or double mixed. Prepaid, pkt., 10c; ½ oz., 75c.

MONTROSE—Double white or double pink. Prepaid, pkt., 25c.

**BEGONIA**

GRACILLIA LUMINOSA—Foliage lustrous reddish brown. The flowers are a fiery dark scarlet. Prepaid, pkt., 25c.

SEMPERFLORENS—A continuous flowering section of Begonias of the greatest value for bedding; the flowers, though small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter. Prepaid, pkt., 15c.

**BRACHYCOME (Swan River Daisy)**

Annual. A charming little flower in blue or white. Plants compact, 12 inches in height, with neat slender foliage. Easily grown and blooms the whole season. June to August. Mixed colors. Prepaid, pkt., 10c.

**BROWALLIA (Elata)**

Profuse blooming plants, continuing throughout the summer, studded with blue and white flowers, growing freely in any rich soil. Half-hardy annual. Blue, pink, white or mixed. Prepaid, pkt., 10c.

**CALCEOLARIA**

A much admired genus, distinguished by its abundance of large, showy, sac-shaped or slipper-like flowers, which are creamy white and various shades of yellow, often splashed, spotted or blotched with dark reddish brown, two plants rarely having flowers marked exactly alike. Leaves large, felty, close-growing.

FINEST HYBRID MIXED—Seeds saved only from the most perfect flowers, all desirable. Prepaid, pkt., 35c.





Calendula

### CALENDULA (Pot Marigold)

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, particularly bright in late fall, continuing to bloom from early summer until killed by frost; valuable also for pot culture; blooming freely in winter and early spring; 1 foot. June until frost.

**PRINCE OF ORANGE**—Rich orange cadmium, cream-white at base of petals, dark eye. Prepaid, pkt., 10c; oz., 40c.

**ORANGE KING**—Very large and double bright orange-red, dark eye, an extra fine strain, with flowers averaging over 3 inches across. Prepaid, pkt., 10c; oz., 40c.

**LEMON KING**—Very large and extremely double flowers of a pleasing rich lemon-yellow, dark eye. Prepaid, pkt., 10c; oz., 40c.

**TRIANON**—Yellow, striped orange, dark eyes. Prepaid, pkt., 10c.

**MIXED VARIETIES**—Prepaid, pkt., 10c; oz., 40c.

### CALLIOPSIS (Dwarf)

**DRUMMONDI**—(Golden Wave). Prepaid, pkt., 10c.

**CRIMSON KING**—Prepaid, pkt., 10c.

**DWARF MIXED**—Prepaid, pkt., 10c.

### CANNA

Stately, very ornamental plants of semi-tropical appearance. Very desirable for groups and in masses. Sow seed indoors in February in light, sandy soil, first cutting a small notch through the hard outer coat with a knife or file, care being taken not to cut into the germ. July to October.

**FINEST LARGE-FLOWERING MIXED**—Plants comparatively dwarf, about 3 feet high. Prepaid, pkt., 10c; oz., 25c.

### CANARY BIRD VINE

#### (Tropaeolum Canariense)

A beautiful rapid annual climber, the charming little canary-colored blossoms bearing a resemblance to a bird with its wings half expanded. July to October. Prepaid, pkt., 10c; oz., 60c.

### CARDINAL CLIMBER

The most beautiful and brilliant climber. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like foliage, and literally covered with a blaze of circular fiery cardinal red flowers from mid-summer till frost. Sow in the open ground after the weather gets warm; if sown in cold, wet ground the seed is liable to rot. Prepaid, pkt., 15c; 2 for 25c; ¼ oz., 50c.

### CARNATION

Carnations are general favorites for their delicious fragrance and richness of colors. They are indispensable, both for greenhouse culture in winter and for the garden in summer. The Marguerite and Chabaud types are the best for summer flowering, May and June.

**MARGUERITE (Giant Mixed)**—Flowers four months after sowing the seed; its profusion of bloom, variety of beautiful colors and delicious perfume insures its popularity in all gardens where cut flowers are in demand. Prepaid, pkt., 15c.

**RED GRENADINE**—Brilliant scarlet, 2 feet high, splendid for borders. Prepaid, pkt., 15c.

**CHABAUD'S EVERBLOOMING**—A new French introduction; very double and blooms in five months after sowing. Large, finely colored flowers; choice finest quality. Mixed colors. Prepaid, pkt., 25c.

### CANDYTUFT—Iberia

Showy, branching plants, 12 to 15 inches high, and bearing in profusion terminal clusters of beautiful single cruciform flowers in a wide range of colors. Considered indispensable for cutting and very effective in beds, masses or rockeries. Larger flowers are obtained if some of the branches are removed, and an abundance of water is desirable. Hardy annual. May until frost.

**GIANT WHITE HYACINTH-FLOWERED IMPROVED**—Prepaid, pkt., 10c.

**HALF DWARF EMPRESS**—White select. Prepaid, pkt., 10c.

**CRIMSON**—Prepaid, pkt., 10c.

**FLESH**—Prepaid, pkt., 10c.

**LAVENDER**—Prepaid, pkt., 10c.

#### PERENNIAL

**GIBALTARICA**—Lilac. Prepaid, pkt., 10c.

**SEMPERVIRENS**—White. Prepaid, pkt., 15c.

### CANTERBURY BELLS

The seeds should be sown by mid-April, in finely prepared, rich soil—the colors in separate rows—and, if the weather is dry, they should be given a thorough watering late every afternoon. By the 15th of July the little plants should be transplanted, either to the places where they are to bloom the following summer, or else they may be set out temporarily in rows about a foot apart, the plants 8 inches. June and July.

**SINGLE MIXED**—Beautiful, large, bell-shaped flowers; hardy biennials; two feet. Prepaid, pkt., 10c; oz., 75c.

**DOUBLE MIXED**—Two feet. Prepaid, pkt., 10c; ¼ oz., 75c.

**CALYCANTHEMA (Cup and Saucer)**—This is the finest variety of Campanula, producing plants with white and blue flowers, resembling cup and saucer. Mixed. Prepaid, pkt., 10; ½ oz., 75c.



Canterbury Bell



## CELOSIA CRISTATA—Cockscomb

### DWARF VARIETIES

Very attractive annuals. The crested heads of flowers resemble a cock's comb. The plumed heads are like great feathers. Sow the seed directly in the garden or start early and transplant. Make fine pot plants. July until frost.

**GIANT EMPRESS**—This beautiful dwarf plant has bronze leaves and forms very large crimson combs. Height about 1 foot. Prepaid, pkt., 10c.

**GLASGOW PRIZE**—Immense, showy dark crimson combs. Prepaid, pkt., 10c.

**PRESIDENT THIERS**—Fine dwarf habit, with bronzy foliage, and large, handsome crimson combs. Prepaid, pkt., 10c; 3 for 25c.

**FINEST DWARF MIXED**—A choice mixture of all sorts and colors. Prepaid, pkt., 10c; ¼ oz., 25c.

## CELOSIA PLUMOSA (Feathered Cockscomb)

Very graceful. Handsome, pyramidal plants 3 feet high. Each branch gracefully tipped with brilliantly colored plume resembling an ostrich feather.

**THOMPSONI MAGNIFICA**—Mammoth blossoms of vivid scarlet; purple, blood-red, golden yellow, salmon, etc.; 4 feet. Mixed colors. Prepaid, pkt., 10c; ¼ oz., 25c.

**THOMPSONI CRIMSON**—Prepaid, pkt., 10c; ¼ oz., 25c.

**CHILDSI (Chinese Woolflower)**—The plants average 2 feet in height, branching, each shoot bearing beautiful ball-shaped flower heads of a bright, rich crimson color, resembling a ball of wool. Flowers profusely during summer and fall, the flower heads retaining their beauty until frost kills them.

Dark Pink, very attractive; Yellow, (new); White,, (new); Scarlet, (new); Finest Mixed, Bright Crimson.

Any of the above, prepaid, pkt., 15c; 2 for 25c.



Centaurea, Cyanus

## CENTAUREA CYANUS—Bachelor Button

Two feet. Known as Ragged Sailor, or Cornflower. It is not a pretentious plant, but will always charm by its simple beauty. May and June.

**CYANUS BLUE**—The favorite dark blue sort so much in demand for cutting. Prepaid, per ½ oz., 40c; per pkt., 10c.

**CYANUS DOUBLE BLUE**—Prepaid, per pkt., 15c; ¼ oz., 40c.

**WHITE**—Prepaid, per pkt., 10c; ½ oz., 40c.

**ROSE**—Prepaid, per pkt., 10c; ½ oz., 40c.

**MIXED**—Prepaid, per pkt., 10c; oz., 30c.

## CENTAUREA—Imperialis

**GIANT SWEET SULTAN**—2½ feet. This beautiful class is undoubtedly the finest of all Sweet Sultans for cut-flower purposes. The beautiful sweet-scented, artistic-shaped flowers are borne on long, strong stems, and when cut will stand for several days in good condition.

Deep Lavender; Favorita, rosy lilac; Purple; Rose; White; Finest Mixed.

Any of the above, prepaid, pkt., 10c; ¼ oz., 40c.



Cockscomb, Glasgow Prize

## Varieties Cultivated for their Foliage

**CANDIDISSIMA**—Ornamental plants of great beauty; foliage deeply cut, silvery white and densely covered with white hairs. Half hardy perennial. Prepaid, pkt., 15c; per 1,000 seed, 60c.

**GYMNOCARPA**—Sometimes called Dusty Miller. Valuable because of its silvery foliage and graceful drooping habit of growth. Half hardy perennial; 1½ to 2 feet high. Prepaid, pkt., 10c; 1,000 seed, 35c.

## CENTAUREA

**AMERICANA**—A splendid native variety, growing 3 feet high and bearing immense thistle-like blooms of a rosy lavender color. Very showy in the mixed border and splendid for cutting. Lilac or white. Prepaid, pkt., 10c; ¼ oz., 25c.

**MONTANA (Perennial Corn Flower)**—Grows 2 feet high, bearing large violet-blue flowers from July to September. Prepaid, pkt., 10c.

**SUAVEOLENS**—Yellow. Prepaid, pkt., 10c.

## CHRYSANTHEMUM ANNUAL

No annual furnishes so many cut flowers as these, which bloom plentifully throughout the summer. Sow seed early in the spring in shallow drills and thin out or transplant plants to be 10 inches apart. June and July.

**NORTHERN STAR**—Flowers pure white with a zone of clear bright yellow. Prepaid, pkt., 10c; ¼ oz., 25c.

**EVENING STAR**—Large golden-yellow flower. Prepaid, pkt., 10c; ¼ oz., 25c.

**EASTERN STAR**—Primrose, brown disc. Pkt., 10c; ¼ oz., 25c.

**DOUBLE PERENNIAL**—Mixed. Prepaid, pkt., 10c.

## Making the Home Grounds More Attractive

The well arranged planting of flowers about the house transforms it into a home, makes the place inviting and attractive and adds largely to its selling value. The appearance of the home grounds reflects the individuality and taste of the owner; so we should use as much care in making the surroundings attractive as we do the interior.



**CIMCIFUGA (Snake Root)**

**RACEMOSA**—4 to 6 feet. White flowers in long racemes. September and October. Prepaid, pkt., 10c.

**CINERARIA**

**HYBRIDA**—Large-flowering. Mixed. Prepaid, pkt., 35c.

**CLARKIA**

This hardy annual is of easy culture, bearing bright rose, white, or purple flowers in great profusion. Seed sown in the fall will give early blossoms in the spring. Seed can be sown almost any time. The seedlings should be pinched back twice to make bushy plants, once to 3 inches and again to 9 inches. Flowers are borne along the stems. Double mixed. Prepaid, pkt., 10c. Single mixed. Prepaid, pkt., 10c.

**CLEOME OR SPIDER PLANT**

A very free-flowering hardy annual of branching habit, growing 4 to 6 feet in height; each plant terminates in a large spike of rosy-pink flowers. Plants grow freely from seed sown in open ground early in summer and continue until cut off by frost. Fresh flowers appear constantly at tops of the branches as they increase in height; they have long, slender stems, making them feathery in appearance. The flowers are succeeded by long seed pods on slender stems, and, as they are set thickly on the stalks, have slight resemblance to a giant spider. Prepaid, pkt., 15c.

**COBAEA**

**SCANDENS**—Magnificent quick-growing climber with beautiful foliage and large bell-shaped flowers of a beautiful blue color. Plant the seed edgewise in moist earth and cover over slightly. Prepaid, pkt., 10c; ¼ oz., 25c; oz., 75c.

**SCANDENS ALBA**—Prepaid, pkt., 15c.

**COLEUS—Flame Nettle**

Magnificent ornamental foliage plants for house and garden culture. Very easy and interesting to grow from seed. Hybrids, extra large-leaved, finest strain. Prepaid, pkt., 25c.

**COREOPSIS**

**LANCEOLATA GRANDIFLORA**—This is one of the finest of hardy plants, with large, showy bright yellow flowers produced in the greatest abundance from June till frost. Easily grown from seed, flowering the first year if sown early. Prepaid, pkt., 10c; ¼ oz., 25c.

**COSMOS**

These are monstrous white flowers with flecked and pinked edges; the dark crimson flowers resemble large single dahlias, the tinted varieties are charming and others again are flushed with mauve and pink. The flowers measure from 3 to 4 inches across.

A very effective flowering plant. Quite hardy and rapid-growing, forming bushes often 4 to 6 feet high and covered with large single dahlia-like flowers. Sow the seed early in the spring, thinly in drills, or 2 to 3 seeds may be planted in places where seed are to bloom; have the plants stand about 2 feet apart. If topped when half grown the plants will



Coreopsis



Cosmos

bloom much earlier, the check seeming to induce immediate flowering. September and October.

**MAMMOTH CRIMSON**—Prepaid, pkt., 10c; ¼ oz., 25c.

**LADY LENOX WHITE**—Color, pure white. Prepaid, pkt., 10c; ¼ oz., 35c.

**LADY LENOX PINK**—Prepaid, pkt., 10c; ¼ oz., 35c.

**MIXED**—Prepaid, pkt., 10c; ¼ oz., 25c.

**EARLY-FLOWERING MAMMOTH**—These are dwarfier than those offered above, bloom earlier; in fact, at mid-summer the bushes are fairly smothered with their attractive flowers. July. White, Pink, Crimson. prepaid, pkt., 10c; Early Flowering, all Colors Mixed, prepaid, pkt., 10c; ¼ oz., 25c.

**New Double-Flowering Cosmos**

Some years since, a few individual plants of Cosmos showed evidence of producing double flowers, but it has taken a great deal of care and patience to perfect the strain now offered. The flowers vary considerably in their degree of doubleness, some being absolutely double, while others have a frill or collar surrounding the double disc. The plants have somewhat heavier, less cut foliage than the regular single-flowering type, so that the fact they will produce double flowers can be determined when the seedlings are quite small.

**DOUBLE ANEMONE FLOWERED CRIMSON.**

**DOUBLE ANEMONE FLOWERED PINK BEAUTY.**

**DOUBLE ANEMONE FLOWERED WHITE QUEEN.**

**DOUBLE ANEMONE FLOWERED MIXED.**

Any of the above, prepaid, pkt., 20c; 2 for 35c.

**Late Double Cosmos**

A recent introduction and becoming more popular each season, the flowers are very artistic and stand for a long time when cut.

**Late Double Crimson; Late Double Pink; Late Double White.** Prepaid, pkt., 20c.

**Late Double Mixed**—Prepaid, pkt., 15c.

**KLONDYKE COSMOS**

**KLONDYKE**—Golden yellow flowers borne on long stems and measuring from 2½ to 3½ inches across. Prepaid, pkt., 15c.

**COWSLIP (Primula Veris)**

A beautiful hardy spring-flowering perennial of different colors of brown and yellow, very sweet-scented. April and May. Prepaid, pkt., 10c; 3 for 25c.

**WILD CUCUMBER**

**ECHINOCYSTIS**—This is the quickest-growing climber in our list. Grows wild, self-sown, in many parts of the West. It will grow 30 feet in one season. It is thickly dotted over with pretty white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Prepaid, pkt., 10c oz., 45c.



**CYPRESS VINE (*Ipomoea Quamoclit*)**

A most beautiful climber with delicate dark green foliage and an abundance of bright star-shaped, scarlet and white blossoms. Do not plant seed till the ground is thoroughly warmed. White, prepaid, oz., 50c; Crimson, oz., 50c; pkt., 10c; Mixed, pkt., 10c; oz., 40c.

**CYCLAMEN**

**PERSICUM GIGANTEUM**—A genus of the most beautiful and elegant winter and spring blooming plants for pot culture. If sown early in spring under glass, will make flowering bulbs in one year. Mixed. Prepaid, pkt., 25c.

**DAISY**

**AFRICAN DAISY**—See *Aretotis*.

**ENGLISH**—See *Bellis*.

**DAISY, SHASTA (*Ox-Eye Daisy*)**—2 feet. Gives a wonderful show of large white flowers. Fine for cutting. May and June. Prepaid, pkt., 10c; ¼ oz., 50c.

**ALASKA**—A splendid hardy perennial variety with flowers rarely less than 4 inches across, pure white, with broad overlapping petals, and borne on long, strong stems; a beautiful cut flower, remaining in good condition a week or more. Prepaid, pkt., 25c; 2 for 45c.

**SWAN RIVER DAISY**—See *Brachycome*.

**DAHLIAS**

Grown from seed will flower the first year. Plant in the house in shallow boxes or pans; transplant as often as their growth requires, the seed germinates very easily.

**DOUBLE MIXED**—(Named varieties). Prepaid, pkt., 10c.

**SINGLE MIXED**—Prepaid, pkt., 10c; ¼ oz., 35c.

**CACTUS MIXED**—(Finest named varieties). Prepaid, pkt., 25c.

**PEONY FLOWERED MIXED**—(Named varieties). Prepaid, pkt., 25c.

**DELPHINIUM—(Hardy Perennial Larkspur)**

The Larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. June and July, intermittently until frost.

**BELLADONNA**—The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise blue of its flowers is not equalled for delicacy and beauty by any other flower. Prepaid, pkt., 25c; 5 pkt., \$1.00.

**BELLAMOSA (*Belladonna Type*)**—Dark blue. Prepaid, pkt., 25c; 5 for \$1.00.

**CHINESE BLUE**—A distinct and neat variety, growing about 18 inches high, with fine feathery foliage, and producing freely spikes of large blossoms of intense gentian-blue. Prepaid, pkt., 10c; ¼ oz., 30c.



Delphinium Belladonna



Daisies, Alaska Shasta

**CHINENSIS ALBUM**—Large-flowered white, 2½ to 3 feet. Prepaid, pkt., 10c; ¼ oz., 30c.

**FORMOSUM**—Dark blue, light center, 3 feet. Prepaid, pkt., 25c.

**FORMOSUM COLLESTINUM**—Light blue. Prepaid, pkt., 10c; ¼ oz., 50c.

**NUDICAULE**—Dwarf brilliant scarlet flowers. Prepaid, pkt., 25c.

**ZALIL**—Sulphur-yellow, 3 feet. Seed of slow germination. Prepaid, pkt., 25c.

**GOLD MEDAL HYBRIDS**—This stock came from England and is the finest strain of hybrids ever offered and consists of the best named varieties. The plants are of strong, vigorous habit, with large flowers on spikes 2 feet long and over the majority running in the lighter shades of blue. Prepaid, pkt., 15c; ¼ oz., 75c.

**BLUE LACE FLOWER (*Didiscus Coeruleus*)**

The Blue Lace Flower is a lovely hardy annual that grows 2½ to 3 feet high, has delicate lanceolated foliage and produces sturdy, non-branching stalks terminating in the fine lacy, lavender blossoms clustered in umbel shape. Does well in poor soil and prefers a semi-shady place. An ideal plant for obtaining natural effects or for use in rockeries. The seeds are very slow to germinate, often requiring four weeks, so the seed bed should be carefully prepared and carefully watched during that time to avoid drying out. Prepaid, pkt., 10c.

**DIGITALIS**

**FOXGLOVE**—Handsome and highly ornamental hardy plants of stately growth, succeeding under almost all conditions, and with but little attention will give a wealth of flowers during June and July.

**PURPLE**—Prepaid, pkt., 10c; ¼ oz., 40c.

**ROSE**—Prepaid, pkt., 10c; ¼ oz., 40c.

**YELLOW**—Prepaid, pkt., 10c.

**WHITE**—Prepaid, pkt., 10c; ¼ oz., 40c.

**MIXED**—All colors. Prepaid, pkt., 10c; ¼ oz., 30c.

**DIMORPHOTHECA  
(African Golden Daisy)**

A rare and extremely showy annual from South Africa, which has become a great favorite on account of its easy culture and beautifully colored, daisy-like blossoms, 2½ inches in diameter, produced in great profusion.

**AURANTIACA**—A unique, glossy, rich orange gold, which brilliant coloring is rendered more conspicuous by the dark disk surrounding the black zone. Prepaid, pkt., 10c; ¼ oz., 40c.



## DOLICHOS (Hyacinth Bean)

A rapid-growing annual climber, flowering freely in erect racemes, followed by ornamental seedpods; for covering arbors, trellises, etc. Sow the seed in the garden in May where they are to remain. July until frost.

**DAYLIGHT**—This wonderful Hyacinth Bean comes from Japan. In many instances, seed sown late in May had, by the middle of July, grown to a height of over 10 feet and was covered with spikes of snow-white blossoms until late fall. The bean-shaped foliage is bright green and not affected by insect pests. Prepaid, pkt., 10c; oz., 25c.

**"DARKNESS"**—Identical in every way to the above, except in color, which is a rich purple-violet. Prepaid, pkt., 10c; oz., 25c.

## DRACAENA

Decorative plants with long, narrow leaves, suitable for center plants in vases, baskets, etc.

**INDIVISA**—Beautiful ornamental-leaved plants; long narrow, green foliage; indispensable as centre plants for vases and for house decorations. Prepaid, pkt., 10c; ¼ oz., 25c.

## ECHINOPS (Globe Thistle)

An interesting thistle-like plant with large globular heads of bluish-white attractive flowers. August to September. 3 feet. Perennial. Prepaid, pkt., 15c.

## ESCHSCHOLTZIA—See Poppy EUPHORBIA

**VARIEGATA (Snow-on-the-Mountain)**—2 feet. Remarkably distinct plant; very showy with its foliage edged white and green. Prepaid, pkt., 10c.

## FORGET-ME-NOT—Myosotis

Well-known pretty flowers for borders and beds, their various shades being very effective. June until October.

**ALPESTIS (Alpine Forget-Me-Not)**—Mixed, blue, rose and white varieties. Prepaid, pkt., 10c; ¼ oz., 25c.

**PALUSTRIS SEMPERFLORENS**—An everblooming variety, beginning to flower in May and continuing till autumn. Large, clear, blue flowers in pretty sprays. Prepaid, pkt., 15c; 2 pkts., 25c.

## FOUR O'CLOCK—Mirabilis or Marvel of Peru

June until frost. Sow seed in spring in open ground after danger of frost is over, in any good, well prepared soil, and



Gaillardia

cover with 1 inch of fine soil, firmly pressed down. For the best development plants should be from 2 to 3 feet apart each way. Hardy annual, about 2 feet high. Large-growing, shrub-like plants with funnel-shaped flowers of many colors. Mixed. Prepaid, pkt., 10c; oz., 35c.

## GAILLARDIA—Blanket Flower

June to October; 2 feet. The long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

**GRANDIFLORA COMPACTA**—A compact variety forming bushy plants 12 to 15 inches high, and bearing its long-stemmed flowers well above the foliage. In coloring the flowers are rich and varied as those of the tall-growing sort. Hardy perennial. Prepaid, pkt., 10c; ¼ oz., 40c.

**LORENZIANA DOUBLE PERFECTION MIXED**—Large handsome heads of double quilled flowers in rich shades of red and yellow. Prepaid, pkt., 10c; ¼ oz., 25c.

## GERANIUM (Pelargonium)

**ZONALE, MIXED**—A superb strain of the largest and finest varieties. Prepaid, pkt., 10c; 3 for 25c.

**ZONALE SCARLET**—Prepaid, pkt., 10c; 3 for 25c.

**LADY WASHINGTON**—Large flowering, beautifully blotched. Prepaid, pkt. 15 seeds, 25c.

## GEUM (Mrs. Bradshaw)

Beautiful hardy perennial, bearing profusely large, showy double dark crimson flowers, an elegant flower for bouquets. June and July. Prepaid, pkt., 10c.

## GLOBE AMARANTH—Gomphrena

Popularly known as Bachelor's Button. The flowers are clover-shaped and may be dried and used for winter bouquets. June until frost. Purple, pink, white. Prepaid, pkt., 10c; oz., 45c.

## GLOXINIA

A superb genus of greenhouse plants, producing magnificent flowers of the richest colors. Sow in March.

**HYBRID GRANDIFLORA**—An unsurpassed strain of the finest hybrids. Prepaid, pkt., 25c.

## GODETIA

Hardy annual about 1 foot high; single, widely opened flowers of satiny texture; flowers are scattered singly on the leafy branches or borne in short dense spikes; suitable for pot culture or outdoor planting. Mixed. Prepaid, pkt., 10c.



Geranium



## GOURD (Cucurbita)

A very extensive genus of trailing annuals with curiously shaped yellow fruit, commonly known as Ornamental Gourds. The vines are of easy culture and make a rapid growth, so are much used for covering old fences, trellises, stumps, etc.

Do not plant the seed till danger of frost is over and select light, rich soil, and a sunny location. Tender annual; 10 to 20 feet high.

**APPLE-SHAPED**—The fruits are early, nearly round, yellow, sometimes striped. Prepaid, pkt., 10c; oz., 30c.

**BOTTLE**—This produces handsome, curious, bottle-shaped fruits. Prepaid, pkt., 10c; oz., 30c.

**DISH CLOTH**—Long, green, corrugated fruit, the inside fibrous mass of which, when shell and seeds are removed, makes an excellent sponge. Prepaid, pkt., 10c; oz., 30c.

**HERCULES CLUB**—Distinctly club-shaped, the longest of all the varieties. Prepaid, pkt., 10c; oz., 30c.

**JAPANESE NEST EGG**—Used as nest eggs; fruits are white, do not crack and are not injured by heat or cold. Prepaid, pkt., 10c; oz., 30c.

**PEAR-SHAPED, STRIPED**—Fruits green, with cream colored striping, sometimes changing to yellow. Prepaid, pkt., 10c; oz., 30c.

**POWDER HORN**—In the form of a powder horn. Prepaid, pkt., 10c; oz., 30c.

**DIPPER**—Useful for dippers; fruits long, with straight or slightly crooked neck. Prepaid, pkt., 10c; oz., 30c.

**MIXED**—Prepaid, pkt., 10c; oz., 25c.

## GYPSOPHILA

Delicate, free-flowering plants covered with star-shaped flowers, valuable for mist-like effects and as trimming in bouquets; also for hanging baskets or edgings. Sometimes called Baby's Breath. Will thrive in almost any well prepared ground.

**ELEGANS LARGE-FLOWERING PURE WHITE**—An improved large-flowering strain, superior to the common Elegans not only in size of flowers, but also in color. A very charming sort for combining in bouquets with sweet peas or other cut flowers. Prepaid, pkt., 10c; oz., 40c.

**ELEGANS DELICATE PINK**—A pretty blush, pink form of the above and equally as valuable for cutting. Prepaid, pkt., 10c; oz., 40c.

**CARMINE**—Prepaid, pkt., 10c; oz., 40.

**ELEGANS MIXED**—Very small, delicate white and rose-pink flowers. Hardy annual; 1 foot high. Prepaid, pkt., 10c; oz., 40c.

**PANICULATA ALBA**—Single perennial. The hardy favorite for cutting, will bloom the first year if sown early. Prepaid, pkt., 10c; 1/4 oz., 40c.

**PANICULATA (fl.-pl. hP.)**—Fine clusters of double white flowers; rare; foliage very dainty and filmy; very fine for cutting; 2 feet. July and August. Prepaid, pkt., 25c.



Hibiscus



Gypsophila

## HELICHRYSUM (Strawflower)

Large full, double daisy-like flower heads with prominent centers and stiff overlapping scales, produced in various shades of bright yellow and scarlet on stem of good length. Desirable as dried specimens and for use in making winter bouquets. For this purpose the flowers should be gathered when on the point of expanding.

Sow early in spring; thin to 1 foot apart each way. Hardy annual; 2 to 2 1/2 feet high.

**FIREBALL**—Bright red. Prepaid, pkt., 10c.

**GOLDENBALL**—Golden yellow. Prepaid, pkt., 10c.

**ROSE CARMINE**—Rich and glossy. Prepaid, pkt., 10c.

**SILVERBALL**—Glistening white. Prepaid, pkt., 10c.

**MONSTROSUM, Fl. Pl., MIXED**—Largest double flowers. Prepaid, pkt., 10c; oz., 50c.

## HELIANTHUS (Sunflower)

Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens.

**CHRYSANTHEMUM-FLOWERED**—Rich golden yellow flowers, perfectly double, resembling a chrysanthemum or dahlia; 7 feet. Prepaid, pkt., 10c; oz., 30c.

**RED SUNFLOWER**—The flowers very greatly in size from 4 to 7 inches across. There is also much variation in shade and coloring—some are solid red, of a deep maroon shade; others are red with petals gold-tipped, and a variety of other pleasing combinations of red and gold. Planted in a border or in front of taller shrubbery or along a wall, they are very showy. Prepaid, pkt., 10c; oz., 30c.

**DWARF DOUBLE**—Prepaid, pkt., 10c; oz., 30c.

**TALL SINGLE**—Prepaid, pkt., 10c; oz., 25c.

## HELIOTROPE

Two feet. In bloom during the whole season. Its delightful perfume makes it a most desirable bouquet flower; a splendid bedding plant, or can be trained as a greenhouse climber—Seed started indoors in the spring will make fine plants for summer blooming.

**LEMOINES GIANT**—Mixed colors. Prepaid, pkt., 10c; 1/2 oz., 50c.

## HIBISCUS MALLOW MARVELS

The colorings comprise rich dark red, soft mallow-pink and pure white; the plants grow from 5 to 8 feet high, blooming from early in June till late in autumn; and are perfectly hardy. If sown early will produce plants that will flower the first year. Prepaid, pkt., 10c.





Hollyhock

**HEUCHERA**

The "Coral Bell" belongs to the collection of best perennials. The plant grows about 18 inches high, forming low tufts or rosettes, out of which sprout graceful, slender stems, bearing panicles of delicately shaped and tinted small flowers. The plants are suitable for rockeries, and make a fine show, when massed in the border. They are also largely used for cut flowers. May until October.

**SANGUINEA**—Dark crimson. Prepaid, pkt., 15c.

**HUMULUS JAPINICUS**

Hardy annual climber 15 to 20 feet high, desirable for covering unsightly objects or shading verandas. Prepaid, pkt., 10c; ¼ oz., 20c.

**HUNNEMANNIA**  
(Bush Eschscholtzia)

**FUMARIAEFOLIA**—Foliage fine cut, feathery blossoms, beautifully cup-shaped, bright yellow, and about three to four inches across. Stems long and smooth. Unlike the average Poppy, Hunnemannia will keep for several days in water and makes a splendid cut flower. 2 ft. Prepaid, pkt., 10c., ¼ oz., 25c.

**HOLLYHOCK**

One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubbery or forming a background for other flowers it is without equal. Seed sown



Burning Bush or Summer Cypress

any time before mid-summer will produce fine plants for flowering next year. To get results this season it is necessary to get year-old plants. July and August. 6 feet.

The seed offered under this head has been saved from the finest flowers only and is sure to produce satisfactory results.

**HOLLYHOCK**

**ALLEGHANY SEMI-DOUBLE**—Finest mixed. Prepaid, pkt., 10c; ¼ oz., 40c.

**ANNUAL SEMI-DOUBLE**—Finest mixed. Prepaid, pkt., 10c; ¼ oz., 50c.

**ANNUAL SINGLE**—Finest mixed. Prepaid, pkt., 10c; ¼ oz., 35c;

**CHATER'S SUPERB DOUBLE**

White, Crimson, Rose, Salmon, Yellow, Maroon. Prepaid, pkt., 10c; ¼ oz., 50c.

Newport Pink—Prepaid, pkt., 15c; ¼ oz., 60c.

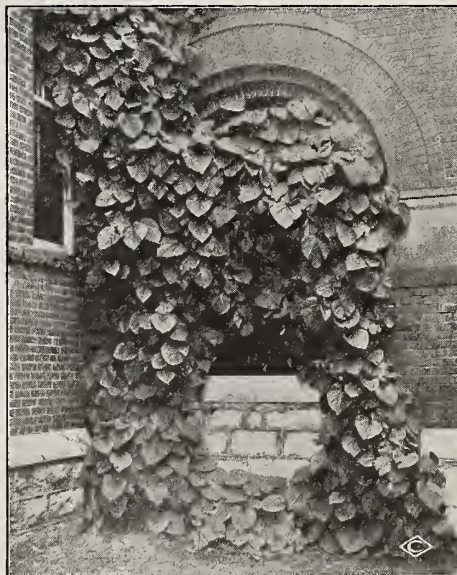
Finest Mixed—Prepaid, pkt., 15c; ¼ oz., 60c.

**JOB'S TEARS (Coix Lachryma)**

Curious ornamental grass with broad, corn-like leaves and seeds of a light slate color. Valuable for winter bouquets, with everlasting flowers. Strings of handsome beads are made from the seeds. Hardy annual; 3 feet high. Prepaid, pkt., 10c; oz., 15c; ¼ lb., 30c.

**KOCHIA SCOPARIA**  
(Summer Cypress)

Pretty ornamental plant with fine, feathery foliage, very much like Cypress Vine, light green, turning to blood-red in autumn. Prepaid, pkt., 10c; ¼ oz., 25c.



Kudzu Vine

**KUDZU VINE**  
(Jack and the Bean Stalk)

A vine that will grow and flourish where nothing else will. Invaluable for covering fences, porches, old or dead trees. This vine is a native of China, and is cultivated for its beauty and also for the edible value of its roots. Its large, bright green leaves afford a dense shade. It is hardy and will last for many years. Will grow 50 feet if permitted, and has dense foliage clear to the ground. Prepaid, pkt., 10c; oz., \$1.00.

**LANTANA**

Very rapid-growing, free-flowering plants that bloom through the latter part of summer and autumn. The plants form small shrubs, producing in abundance clusters of single, fragrant flowers that continually change color.

**FINEST FRENCH HYBRIDS**—Mixed. Prepaid, pkt., 10c; ¼ oz., 30c.

**DWARF**—Mixed. Prepaid, pkt., 10c.



## ANNUAL LARKSPUR

This is one of the best known garden flowers, and in recent years a vast improvement has been effected by careful selection in size and color of the blossoms and the general habit of the plant. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then till frost. They make handsome beds or lines, and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubby border.

**DOUBLE STOCK-FLOWERED**—The finest variety with splendid spikes of beautiful double flowers. 2½ to 3 feet.

Exquisite Pink—Prepaid, pkt., 25c; ¼ oz., 75c.

Ageratum Blue, Bright Rose, Bright Violet, Dark Blue, Lilac, Lustrous Carmine or Newport Pink, Pure White, Rosy Scarlet, Shell Pink, Sky Blue, Mixed.

Any of above prepaid, pkt., 10c; ¼ oz., 30c.

**DWARF ROCKET**—Fine double mixed. 18 inches. Prepaid, pkt., 10c; oz., 30c.

## LATHYRUS (Perennial Sweet Peas)

**PINK BEAUTY**—Pale pink variety. Prepaid, pkt., 10c; oz., 75c.

**RUBRA**—Bright rosy crimson. Prepaid, pkt., 10c; oz., 75c.

**WHITE**—Large sprays of the purest white flowers. Prepaid, pkt., 10c; oz., 75c.

**MIXED**—The above colors. Prepaid, pkt., 10c; oz., 75c.

## LIATRIS

### (Blazing Star, or Gay Feather)

**LYCOSTACHYA**—Showy and attractive native plants, succeeding anywhere, producing large spikes of light rosy-purple flowers in July and August; 5 feet. Prepaid, pkt., 10c.

## LINUM (Flax)

**GRANDIFLORUM RUBRUM (Scarlet Flax)**—One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 1 foot. Prepaid, pkt., 10c; oz., 50c.

**PERENNE**—Bright blue flowers, hardy; 18 inches. Prepaid, pkt., 10c; ¼ oz., 25c.

## LOBELIA

Exceedingly pretty plants for pots, hanging baskets, rockeries, bedding and borders. Start plants in pots or hot bed early in spring; transplant to the open ground in May. Half hardy annual, about 6 inches high.

**CRYSTAL PALACE COMPACTA**—Rich, deep blue; dark foliage; the best blue for bedding. Prepaid, pkt., 10c; ¼ oz., 65c.

**CARDINALS (Cardinal Flower)**—Long spikes of rich cardinal flowers. Prepaid, pkt., 10c.

**SPECIOSA**—Ultramarine blue; dark-leaved; trailing. Prepaid, pkt., 10c; ½ oz., 50c.

## LYCHNIS

### (Rose Champion, Jerusalem Cross)

July to October. Handsome hardy perennial plants of easy culture, for massing in beds and borders; blooming the first year if sown early.

**CHALCEDONICA**—Fine scarlet flowers; 2 feet. Prepaid, pkt., 10c.



Marigolds



Lupins

## LUPINUS (Lupine)

**ANNUAL SORTS**—Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade; 2 feet.

Rich Blue—Prepaid, pkt., 10c; oz., 40c.

Rose—Prepaid, pkt., 10c; oz., 40c.

White—Prepaid, pkt., 10c; oz., 40c.

A pkt. each of the three colors, 30c.

**ANNUAL MIXED**—All colors. Prepaid, pkt., 10c; oz., 25c.

**PERENNIAL**—4 feet. May and June. Mixed, prepaid, pkt., 10c.

## MARIGOLDS

In autumn, when many bedding and other plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the *Fistulosa* form a solid ball type bloom with narrow petals; the *Imbricata* types are slightly larger, have wider petals and are loosely set in the bloom, somewhat like a *Zinnia*; the French are smaller, but the colors and marking are very interesting, some of the varieties being elegantly striped and spotted. The double French and the Dwarf Single French Marigolds hold the chief place in the class.

**AFRICAN TALL DOUBLE FISTULOSA TYPE**—Orange Ball. Prepaid, pkt., 10c; ¼ oz., 50c. Lemon Ball. Prepaid, pkt., 10c; ¼ oz., 50c. Finest Mixed. Prepaid, pkt., 10c; ¼ oz., 50c.

**AFRICAN DWARF DOUBLE IMBRICATA TYPE**—Orange (Pride of the Garden). Prepaid, pkt., 10c; ¼ oz., 40c. Lemon. Prepaid, pkt., 10c; ¼ oz., 40c. Finest Mixed. Prepaid, pkt., 10c; ¼ oz., 40c.

**FRENCH TALL DOUBLE**—Striped Mixed. Prepaid, pkt., 10c; ¼ oz., 40c. Finest Mixed. Prepaid, pkt., 10c; ¼ oz., 40c.

**FRENCH DWARF DOUBLE**—Few annuals are as effective as the French Marigolds or flower for so long a period; they all form dense bushes not over 12 inches high and are unequalled for borders or beds.

Brown, Spotted Yellow. Prepaid, pkt., 10c; ¼ oz., 40c. Electric Light, Double Legion of Honor. Prepaid, pkt., 10c; ¼ oz., 40c. Gold striped—Very double golden yellow, each petal striped with rich brownish red. Prepaid, pkt., 10c; ¼ oz., 40c. Golden Yellow, Brown Margin. Prepaid, pkt., 10c; ¼ oz., 40c. Pigmy Golden Ball. Prepaid, pkt., 10c; ¼ oz., 40c. Finest Mixed. Prepaid, pkt., 10c; ¼ oz., 40c.

**DWARF FRENCH SINGLE**—Diadem, mahogany red, edged gold. Prepaid, pkt., 10c; ¼ oz., 40c. Legion of Honor, (Little Brownie). Prepaid, pkt., 10c; ¼ oz., 40c. Star of India, crimson, striped yellow. Prepaid, pkt., 10c; ¼ oz., 40c. Silver King, pale yellow maroon at base. Prepaid, pkt., 10c; ¼ oz., 40c. Finest Mixed. Prepaid, pkt., 10c; ¼ oz., 40c.





Moonflower

## MATRICARIA

**CAPENSIS ALBA PLENA** (Double White Feverfew)—Free-flowering plants, producing all season fine double white flowers. A fine bedding or pot plant; 18 inches. Prepaid, pkt., 10c; ¼ oz., 25c.

**EXIMIA NANA**—Fl.-pl., Golden Ball. Prepaid, pkt., 10c.

## MESEMBRYANTHEMUM

**CRYSTALLINUM** (Ice Plant)—A curious plant for hanging baskets, rock work, vases and edgings; leaves and stems succulent, appearing as though covered with crystals. Prepaid, pkt., 10c.

## MIGNONETTE

A well-known hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and early summer it will bloom till killed by frost. Seed sown in autumn will bloom early the following spring. Thrives best in a cool temperature. Hardy annual 1 foot high.

**GOLDEN QUEEN**—A very compact-growing sort; flower spikes golden yellow. Fragrant and fine. Prepaid, pkt., 10c; ¼ oz., 20c.

**MACHET**—Of dwarf pyramidal growth, bearing numerous flower stalks; highly colored and very fragrant; one of the best. Prepaid, pkt., 10c; ¼ oz., 20c.

**SWEET-SCENTED** (Reseda Odorata)—The old variety with small spikes, but very sweetly scented. Prepaid, pkt., 10c; oz., 20c.

**DEFIANCE**—When grown under favorable conditions spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant. The individual florets are of immense size, forming a graceful as well as compact spike. Prepaid, pkt., 10c.

**WHITE GOLIATH.** This splendid white variety has the same massive spikes of bloom as the red sort. Prepaid, pkt., 15c.

## MIMOSA

(Sensitive or Humble Plant)

Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken; 1½ feet. Prepaid, pkt., 10c.

## MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist shady situations; half hardy perennials, blooming first year from seed if sown early; 1 foot.

**MOSCHATUS** (Musk Plant)—Fine for hanging baskets, etc.; small. Prepaid, pkt., 15c.

## GIANT JAPANESE MORNING GLORY

**SPECIAL MIXTURE**—Nothing among flowers can furnish a more beautiful sight than screen or trellis of these "Giant Japanese Morning Glories." Soak the seed in water for twenty-four hours before sowing.

**BEST SINGLE FRINGED, MIXED**—Prepaid, pkt., 10c; oz., 40c.

## MOMORDICA

Gracefully climbing vines with small yellow blossoms, followed by fruits of curious shape. Foliage gracefully cut.

**BALSAM PEAR** (Charantia)—The fruit is pear-shaped, green changing to bright red and has a warty skin; when ripe, it bursts open and shows a brilliant interior of large carmine seeds. Prepaid, pkt., 10c; oz., 50c.

**BALSAM APPLE** (Balsamina)—Like Balsam Pear, but foliage smaller; fruit much smaller and nearly round; green striped when young, becoming scarlet. Prepaid, pkt., 10c; oz., 50c.

## MOON FLOWER

(Ipomea Grandiflora Alba)

Will grow 30 to 40 feet in single season and be covered with its large, white flowers every evening and cloudy day. The hard outer coat of the seed should be cut through with a sharp knife, care being taken not to cut any deeper than the hard shell and the seed planted about one inch deep in moist soil in a box or pan and set in a warm place. If the soil is kept moist, germination will take place in about two weeks.

**BONA NOX**—Prepaid, pkt., 10c.

**GIANT PINK**—Prepaid, pkt., 10c.

**HEAVENLY BLUE**—Prepaid, pkt., 15c

**NOCTIFLORA** (Moonflower)—Black seed. Prepaid, pkt., 10c; oz., 50c.

**NOCTIFLORA** (Moonflower)—White seed. Prepaid, pkt., 10c; oz., 50c.



Morning Glory





Tall or Climbing Nasturtiums

## HARDEN'S SUPERB NASTURTIIUMS

Few plants are more easily grown or remain longer in bloom than the Nasturtium, with its large shield-shaped leaves and beautiful irregular flowers, having long spurs and brilliantly colored petals. In favorable soil flowers are produced in abundance throughout the season. Seed is usually sown outdoors as soon as the weather is warm and settled, in the row where the plants are to remain. Well pulverized soil, preferably well drained and moderately rich, should be used and the seed covered with about one inch of fine soil, firmly pressed down. A sunny situation is essential for free blooming. If the soil is very rich, the plants give a large amount of foliage, but few flowers. Nasturtiums are seldom if ever, bothered with insects.

## TOM THUMB, DWARF OR BEDDING VARIETIES

AURORA—Terra cotta.  
 BEAUTY—Scarlet blotched canary.  
 BRONZE—Reddish golden brown.  
 CHAMELEON—Produces combination of red and yellow flowers on same plant.  
 CRYSTAL PALACE GEM—Deep yellow blotches dark red.  
 CLOTH OF GOLD—Scarlet yellow foliage.  
 EMPRESS OF INDIA—Deep crimson, dark leaved.  
 GOLDEN KING—Indian yellow, dark leaved.  
 GOLDEN QUEEN—Deep yellow, yellow foliage.  
 KING OF TOM THUMBS—Deep scarlet, dark leaved.  
 KING THEODORE—Rich red, dark, dull foliage.  
 LACINATED MIXED—Ivy leaved.  
 PEARL OR MOONLIGHT—Whitish.

QUEEN OF TOM THUMBS—Variegated leaved mixed.  
 REGELIANUM—Purple garnet.  
 ROSE.  
 RUBY KING—Bluish rose.  
 SPOTTED KING OR LADY BIRD—Golden yellow, barred with crimson.  
 VESUVIUS—Striking dark foliage and rich salmon rose flowers.  
 YELLOW.  
 FINEST MIXED.  
 Any of the above, prepaid, pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c.

## TALL OR CLIMBING VARIETIES

Elegant and luxuriant climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect.

BUTTERFLY—Sunflower yellow, spotted salmon pink.  
 CHAMELEON—Produces combination of red and yellow flowers.  
 CLOTH OF GOLD—Fiery red, golden leaved.  
 DUNNETT'S ORANGE—Pure orange.  
 GOLD GARNET—Orange yellow, garnet blotches.  
 HEMISPHERICAN—Bright yellow, blotched salmon rose.  
 JUPITER (Sunlight)—Pure orange.  
 MADAME GUNTHER'S—Hybrids, mixed.  
 PEARL OF MOONLIGHT—Whitish.  
 PRINCE HENRY—Pale yellow and carmine.  
 REGELIANUM—Purplish crimson.  
 ROSE OF TWILIGHT—Rose.  
 SCARLET—Rosy scarlet.  
 SCHULTZI—Dark scarlet, very dark leaves.  
 TWILIGHT—Bright yellow, marbled yellow.  
 VESUVIUS—Deep apricot.  
 BEST—Well balanced, mixed.  
 LOBBIANUM  
 ASA GRAY—Pale yellow.  
 BLACK PRINCE—Dark purple, dark leaved.  
 BRILLIANT OR FULGENS—Bright scarlet, dark leaved.  
 FIMBRIATUM—Fringed varieties, mixed.  
 GIANT OF BATTLES—Amber yellow, spotted bright red.  
 GOLDEN QUEEN—Sunflower yellow.  
 Any of the above, prepaid, pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c.

## NEMESIA

DWARF LARGE-FLOWERING HYBRIDS—A very pretty annual, which does best in a cool position; the plants grow about a foot high, and the orchid-like flowers are very varied in color, including rose, yellow, blue, orange, etc. Prepaid, pkt., 15c.  
 COMPACTA (Myosotis Blue)—Hybrid blue gem. Prepaid, pkt., 15c.



Dwarf Nasturtiums





Pansies

## NICOTIANA

**SWEET SCENTED TOBACCO PLANT**—A handsome genus of garden plants of the tobacco family, noted for the freedom and fragrance of their bloom. Half-hardy annuals, 3 feet high. Flowers white, salver-shaped, having long tubular corollas, and are of exquisite fragrance. Deserves a place in every garden. Prepaid, pkt., 10c; oz., 35c.

**SANDERAE**—Laden with handsome carmine blossoms from base to summit, which are produced on a single plant, making a beautiful plant for garden, bed or shrubbery border; a hardy annual, with dark foliage. Prepaid, pkt., 10c; ¼ lb., 25c.

**SYLVESTRIS**—Plants of Pyramidal growth; 4 feet high with fine deep green foliage; pure white, fragrant, drooping flowers borne in loose heads. Prepaid, pkt., 10c; ¼ oz., 25c.

## NIGELLA

### (Love-in-a-Mist)

Sometimes called Devil-in-a-Bush, or Lady-in-the-Green, because the blooms are partly concealed by the abundance of finely cut foliage.

**BLUE**—Prepaid, pkt., 10c; ¼ oz., 25c.

**WHITE**—Prepaid, pkt., 10c; ¼ oz., 25c.

## OENOTHERA (Evening Primrose)

Showy and beautiful plants for borders, beds, etc., flowering from June to October. Perennial.

**LAMARKIANA**—1 foot. Large-flowered, yellow. Prepaid, pkt., 10c.

## PANSIES

May be sown in early spring or fall. When sown in the fall make fine blooming plants for early spring; if sown in spring will bloom through July and August. Pansies will bloom through the entire summer, but produce finest flowers in spring and fall, when the weather is cool. They do better in a cool, moist location.

A soil containing a good proportion of leaf mould, well enriched with decayed manure will be the most satisfactory for the growing of Pansy plants. The ground should be well dug and made fine and level.

Thorough cultivation should be given from the start, as they thrive best in rich, loose soil.

**TRIMARDEAU**—Mixed. Prepaid, pkt., 10c; ½ oz., 35c.

**HARNDEN'S SPECIAL MIXED**—The flowers of this splendid mixture are of largest size and finest form of magnificent colors; borne on stiff stems which show their beauty to fine effect. An excellent sort for florists. Prepaid, pkt., 15c; ½ oz., 75c.

**HARNDEN'S SUPERB MIXED**—This is without question the best obtainable in separate varieties, and blended into a magnificent mixture. Produces well-rounded, perfect-shaped flowers, showing a wide range of colorings and markings. It includes the richest reds, coppers and bronzes, together with the most delicate pink shadings and velvety petals, with fluted and half-double edges, including the Masterpiece strain with its delicate veinings and ruffled petals. Prepaid, pkt., 25c; ½ oz., \$1.00.

**CURLED GIANT PANSY "MASTERPIECE"**—This strain comes nearer to "Double Pansy" than anything ever introduced under that name. In reality the number of petals is the same as of other pansy flowers, but they are crimped and curled in such a fashion that flowers appear double. The flowers are of enormous size, often 3 inches across, and the color variations and combinations are odd and striking. The plants are unusually strong and healthy, holding their large, handsome flowers well up above the foliage. Prepaid, pkt., 25c.

**STEELE'S GREENHOUSE SPECIAL MIXED**—Prepaid, pkt., 25c; ½ oz., \$1.00.

**STEELE'S MASTODON MIRACLE MIXED**—Prepaid, pkt., 15c; ½ oz., 75c.

## PENTSTEMON (Beard Tongue)

Most useful showy perennials, either for the border or rocky. June and July. 4 feet. Mixed, large-flowered hybrids. Prepaid, pkt., 10c.

## PHYSALIS (Chinese Lantern Plant)

**FRANCHETI**—An ornamental variety of the Winter Cherry, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits; highly interesting. July to October. Prepaid, pkt., 10c.

## PINKS

A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The varieties classed as an-



Pinks



nuals are really biennials, but are treated as annuals and may be sown out of doors when the danger from frost is past, and in a few weeks time they are a mass of bloom, continuing so until after hard frost. As a rule, they survive the winter if given slight protection, flowering abundantly the following season.

**DOUBLE JAPAN MIXED**—The flowers are rich in hue; very double, deep fringed petals. Colors vary from white to rose, lilac, carmine, crimson, scarlet, purple, brown and almost black, spotted and striped. Prepaid, pkt., 10c; ¼ oz., 30c.

**DOUBLE CHINA MIXED**—White and dark crimson leaves, also white tipped light purple and shades of red with darker blotchings. A mixture of double pinks unsurpassed in variety of brilliant coloring and marking. Prepaid, pkt., 10c; ¼ oz., 35c.

**JAPAN DOUBLE MIXED**—Prepaid, pkt., 10c; ¼ oz., 45c.

**MOURNING CLOAK**—Rich, blackish velvety crimson margined white. Prepaid, pkt., 10c; ¼ oz., 45c.

**FIREBALL**—Rich, blood-red flowers. Prepaid, pkt., 10c; ¼ oz., 45c.

**IMPERIALIS, Fl. Pl. (Double Imperial Pink)**—Double mixed in a very large range of colors. Prepaid, pkt., 10c; ¼ oz., 45c.

**SNOWBALL**—Compact fringed white flowers. Prepaid, pkt., 10c; ¼ oz., 45c.

## SINGLE ANNUAL PINKS

All the single sorts have large flowers 2 to 3 inches in diameter; their many and brilliant colors make them very desirable for beds and borders; 1 foot.

**CRIMSON BELLE**—Large, single flowers of a beautiful bright crimson. Prepaid, pkt., 10c; ¼ oz., 40c.

**SALMON QUEEN**—The well formed, nicely fringed flowers are a brilliant salmon color changing into a salmon-rose when fading. Prepaid, pkt., 10c; ¼ oz., 50c.

**HEDDEWEG'S SINGLE MIXED**—A splendid mixture of single flowers of the best shades and beautifully marked. Plants dwarf; very free flowering. Prepaid, pkt., 10c; ¼ oz., 20c.

**JAPAN SINGLE MIXED**—Prepaid, pkt., 10c; ¼ oz., 30c.

## HARDY GARDEN PINKS

**PLUMARIUS SEMPERFLORENS**—Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of color. "Clove Pinks." Prepaid, pkt., 10c; ¼ oz., 35c.

**PLUMARIUS CYCLOPS (Clove Pink)**—An exquisite mixture of colors. Perennial. Prepaid, pkt., 10c.

## PETUNIA

In warm open and sunny places, there is hardly an annual plant to be found which can excel the Petunia in freedom of bloom, variety and brilliancy of colors and markings, and general usefulness.

The tall varieties are beautiful in beds and borders; low-growing kinds make brilliant endings and the large flowering are often cultivated in pots or window boxes, where pretty effects are accomplished by training the vines to hang down over the edge. In this way they are decidedly ornamental for balconies and plant vases.

The seeds are very fine and demand careful attention for the first few weeks after sowing. Seedlings will readily transplant into the open after danger of frost is over, and will thrive wonderfully even in poor, sandy soil. In fact, too rich soil will promote an excessive growth of leaves at the expense of the flowers.

### Large Single Flowering

**BALCONY QUEEN**—Rich, velvety violet with white blotches. Prepaid, pkt., 25c.

**BALCONY WHITE**—A beautiful trailing variety. Prepaid, pkt., 15c.

**BRILLIANT ROSE**—Prepaid, pkt., 25c.

**ROYAL PURPLE**—This makes a beautiful combination if planted with the Large Flowering White. Prepaid, pkt., 25c.

**PETUNIA TRIUMPH**—Large flowers, beautifully ruffled, of a clear, bright pink. Blooming freely, one of the very finest Petunias for bedding. Prepaid, pkt., 25c.

**CANARY BIRD LUTEA**—Light yellow (new). Prepaid, pkt., 25c.

**VENOSA CHALYBECA**—Steel blue. Prepaid, pkt., 25c.

**SUPERB**—Large-flowering fringed. From the finest flowers; of very large size and beautiful shape; deep-throated



Petunia

and of varied and brilliant colors, and beautifully fringed. Prepaid, pkt., 25c.

**GIANT OF CALIFORNIA**—Flowers very large, in great variety of colors and markings, with deep yellow throats. Prepaid, pkt., 25c.

### Large-Flowering Double

In growing Double Petunias from seed the weaker seedlings should be carefully saved, as these usually produce the finest double flowers.

#### HARDEN'S NEW PEONY FLOWERED PETUNIAS

(See Page 2 for Description).

**DOUBLE LARGE FLOWERING**—Choice fringed—a fancy mixture which produces a large percentage of doubles. Prepaid, pkt., 25c.

**MADONNA**—Pure white, very large fluted blossoms, new. Prepaid, pkt., 25c.

**VIOLANCEA**—Intense dark blue. Prepaid, pkt., 25c.

### Single Bedding

All the following are wonderfully effective in beds, borders, window boxes, etc.

**GENERAL DODDS**—Rich crimson garnet.

**SNOWBALL**—Pure satiny-white.

**VIOLET QUEEN**—Rich velvety violet blue.

**HOWARD'S STAR**—Rosy-crimson with a clearly defined five-pointed star of bluish-white.

**ROSY MORN**—Soft rose-pink with white throat; very dainty.

**STRIPED AND BLOTCHED**—A good strain of the small-flowering type; beautifully striped and blotched flowers; fine for massing.

**PURPUREA**—Deep purple.

**COUNTRESS OF ELLESMERE**—Rose with white throat.

**VENOSA**—Light red veined.

**CARMEN SYLVA**—Baby blue with white throat.

**NORMA**—Blue with white star.

Any of the above, prepaid, pkt., 15c; ⅛ oz., 50c.

**FINEST MIXED**—Prepaid, pkt., 10c; ⅛ oz., 25c; ½ oz., 75c.

### PLATYCODON GRANDIFLORA

**JAPANESE BELL FLOWER**—Blooms constantly from June until late in September; flowers large, bell-shaped; blue; perfectly hardy; 3 feet high. June to October. Prepaid, pkt., 10c.

### PHLOX

**PHLOX DRUMMONDI GRANDIFLORA**—Unequaled in the magnificent display of their many and brilliantly colored flowers. The plants are hardy bush-like annuals with many broad flat-topped clusters of nearly round and star-shaped flowers. They are of easier culture and bloom profusely through a long season. Seed is usually sown very early in spring outdoors in rows 1 foot apart. A sunny situation is desirable. Well pulverized soil, preferably rich and mellow, should be used and the seed, which germinates rather slowly, covered with about ¼-inch of fine soil firmly pressed down.

Crimson, Flesh, Lilac, Primrose, White. Prepaid, pkt., 10c; ¼ oz., 40c.

**GRANDIFLORA MIXED**—Best large flowered varieties. Our mixture is unexcelled for profusion of bloom and wide range of brilliant colors.

Any of the above, prepaid, pkt., 10c; ¼ oz., 35c; oz., \$1.00.





California Poppies

## STAR PHLOX

Plants dwarf with pretty star-shaped flowers. Prepaid, pkt., 10c;  $\frac{1}{4}$  oz., 50c.

## PERENNIAL PHLOX

For best results seed should be planted early in the spring, as soon as the frost is out of the ground or in early fall when seed is harvested. Prepaid, pkt., 10c;  $\frac{1}{4}$  oz., 75c.

## PORTULACA

**SUN PLANT**—One of the very best hardy annuals. Portulaca is very easy to cultivate; thrives best in a sunny location. The flowers are of the richest colors and bloom profusely through the entire summer. Are also used for massing in beds, borders, rock work or for sowing broadcast over sunny embankments.

Single Orange—Prepaid, pkt., 10c.

Rose—Prepaid, pkt., 10c.

Single Scarlet—Prepaid, pkt., 10c.

White—Prepaid, pkt., 10c.

Yellow—Prepaid, pkt., 10c.

Single Mixed—All colors. Prepaid, pkt., 10c; oz., 60c.

**Double Mixed**—A large percentage of the flowers will come perfectly double, or the most brilliant scarlet, crimson, white, yellow, etc. Prepaid, pkt., 10c;  $\frac{1}{4}$  oz., 60c.

## PRIMULA CHINENSIS

**(Chinese Primrose)**—This beautiful winter blooming pot plant is especially valuable in that it is brightly colored, and finely formed flowers and attractive foliage may be had in perfection from November until late in spring. Sow the seed indoors in well drained shallow pans or boxes from April to the last of July, to insure flowering the following winter. If covered too deeply or if allowed to dry after being wet the seed will not germinate. Transplant into pot and keep in a cool place so that the plants will grow slowly until ready to bloom.

**CHINESE PRIMROSE**—Mixed colors. Prepaid, pkt., 25c.

**PRIMULA OBCONICA GIGANTEA**—These are of the easiest culture in a greenhouse or light window of dwelling house, flowering abundantly with little care. Finest mixed, prepaid, pkt., 25c.

## PYRETHRUM

Very ornamental, both foliage and flowers. Well adapted for bedding and borders. Sow outdoors in spring as soon as ground can be worked, or for the best results start the seed indoors and transplant after danger from frost is passed.

**AUREUM (Golden Feather)**—Beautifully gold leaved bedding plant. Flowers white. Half hardy perennial, height 1 foot. Prepaid, pkt., 10c; oz., 50c.

**HYBRIDUM**—Hardy perennial, bearing large daisy or Cosmos-like flowers ranging in color from white to deep red, with bright yellow centers, blooms in May and June. Deep red, flesh white. Prepaid, pkt., 10c;  $\frac{1}{4}$  oz., 50c.

## POPPIES

Plant as early in the spring as the ground can be worked, where they are to remain, as the annual variety will not stand transplanting. Poppies do best in a light, sandy loam. Barely cover the seed, pressing it firmly in; when the plants are about 2 inches high, thin from 6 to 12 inches apart. To secure a long season of bloom cut the blooms when first opened, allowing no seed pods to form.

**CARNATION FLOWERED**—Splendid double fringed flowers, crimson, pink, scarlet, mixed. Prepaid, pkt., 10c; oz., 35c.

**SHIRLEY**—The Shirley Poppies range in color from pure satiny white through all shades of pink to deepest crimson. The flowers are large single and semi-double of satin-like texture. If cut before the blooms are fully open will last several days in water. Hardy annual, about 18 inches high. Prepaid, pkt., 10c; oz., 50c.

**DOUBLE SHIRLEY**—Salmon. Prepaid, pkt., 10c.

**DOUBLE SHIRLEY**—Pink shades. Prepaid, pkt., 10c.

**TULIP POPPY**—Produces large, splendid bright scarlet flowers, strikingly beautiful, reminding one of a dazzling bed of tulips; 14 inches high. Prepaid, pkt., 10c;  $\frac{1}{4}$  oz., 30c.

## ESCHSCHOLTZIA—California Poppy

One foot. Sow seeds where plants are wanted to bloom, as they do not transplant well. A bed of these brilliant flowers, when in bloom give a very pleasing color effect. The foliage is finely cut and has a bluish-tinge. Hardy annual. June until frost.

**GOLDEN WEST**—Flowers bright yellow and orange, penciled and blotched. Prepaid, pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 45c.

**ALL COLORS MIXED**—Many shades. Prepaid, pkt., 10c; oz., 35c.

## ICELAND POPPIES

**(PAPAVER NUDICAULE)**—While these are hardy perennials, they flower the first year from seed, blooming almost as quickly as the annual sorts. They are of graceful, neat habit, with bright green fern-like foliage, formed in tufts, from which issue slender stalks about 12 inches high, bearing their brilliant flowers in endless profusion. They remain evergreen throughout the winter coming into bloom early the following spring. April to June and September.

Bright Yellow, Pure White, Orange Scarlet. Prepaid, pkt., 10c.

**FINEST MIXED**—All colors. Prepaid, pkt., 10c;  $\frac{1}{4}$  oz., 35c.



Oriental Poppies



## ORIENTAL POPPIES

Oriental Poppies should be sown as early in the spring as the ground can be worked. The plants disappear during the hot summer months of July and August, reappearing when the coolness of September arrives; seemingly to make an additional growth of top and root in preparation of severe weather. It is well to mark the place in which they are planted, so as not to disturb them during their annual resting season. May and June.

**ORIFLAMME**—A gorgeous orange-scarlet; very large. Prepaid, pkt., 15c.

**PRINCESS VICTORIA**—A beautiful salmony pink. Prepaid, pkt., 15c.

**ORIENTAL MIXED HYBRIDS**—Save from a large number of named sorts, embracing all of the colors. Prepaid, pkt., 15c.

**ORIENTALE (The Large Oriental Poppy)**—A charming summer-flowering hardy plant, producing numerous leafy stems about 2½ feet high, with large orange scarlet flowers; having a conspicuous black blotch on each petal, exceedingly showy. Prepaid, pkt., 10c; ¼ oz., 40c.

## RICINUS

(Castor Oil Bean)—A very showy plant. Can be used in various ways; planted thickly it forms a handsome hedge or screen; may be used with cannas to a very good effect; lends a tropical appearance to the garden.

**CAMBODGENSIS**—Large, palm-like leaves of brilliant bronzy red, stalks nearly black. Prepaid, pkt., 10c; oz., 25c.

**ZANZIBARIENSIS**—A distinct class which surpasses in size and beauty all varieties. The plants attain great dimensions presenting a splendid aspect with their gigantic leaves. The different varieties included in our mixture have light and dark green leaves and some of coppery bronze, changing to dark green, with reddish ribs. The seeds are quite distinct in color and beautifully marked. Mixed. Prepaid, pkt., 10c; oz., 25c.

## RUDBECKIA

**"GOLDEN GLOW"**—Grows 5 to 7 feet and blooms from early summer until frost. Flowers resemble golden-yellow Cactus Dahlias. Hardy perennial. July and October. Prepaid, pkt., 10c.

## SALPIGLOSSIS EMPEROR

(Painted Tongue)—These annuals have showy, large, funnel-shaped flowers mottled, veined and self-colored. They require a rich soil and will repay liberal treatment.

Dark Red—Prepaid, pkt., 10c; ⅓ oz., 50c.

Rose and Gold—Prepaid, pkt., 10c; ⅓ oz., 50c.

Violet—Prepaid, pkt., 10c; ⅓ oz., 50c.

White and Gold—Prepaid, pkt., 10c; ⅓ oz., 50c.

All Colors—Mixed. Prepaid, pkt., 10c; ⅓ oz., 50c.

## SALVIA (Flowering Sage)

Among the most brilliantly colored of garden flowers and extremely useful for bedding; also valuable plant for pot culture and cutting. Blooms are borne in long spikes, well above the foliage, and are of fiery red, crimson, continuing in flower a long time. Start early in house and transplant into light soil 1 to 2 feet apart, or seed can be sown outdoors after danger of frost is past.

## NEW SCARLET SAGE American or Globe of Fire

Many strains of Salvia Splendens have been offered under different names with the claim that they are large-flowered or more floriferous than the old type. We have found none of them more distinctly valuable than this strain, in which the plant is more uniformly dwarf, and comes into bloom earlier than most sorts and remains covered with brilliant red flower spikes a remarkable long time. About 2 feet high. Prepaid, pkt., 25c; 2 for 45c.

**BONFIRE**—This is one of the finest Scarlet Sages, growing in a compact bush 2 feet high by 2 feet in diameter. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. Prepaid, pkt., 10c; ⅓ oz., 75c.

**SPLENDENS**—Large, brilliant scarlet flowers are in these plants afforded a rich, dark green background of dense foliage. This variety is most generally used in parks and on extensive lawns, as in growth it is more vigorous than the more dwarf varieties. 2½ to 3 feet high. Prepaid, pkt., 10c; oz., \$2.00.

**ZURICH**—Early. The plants are dwarf and compact with large brilliant flower spikes. Prepaid, pkt., 10c; ⅓ oz., 50c.



Salvia

## VARIOUS SALVIAS

**FARINACEA**—A perennial variety, but the best grown as an annual. Seeds sown in the open ground in May, blooming from July to frost. The fine light blue flowers are borne on long spikes held above the foliage; makes a good blue line. 2 feet. Prepaid, pkt., 15c.

**PATENS (Blue Sage)**—In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but it is a beautiful plant for the border. Tender perennials. 2 feet. Prepaid, pkt., 25c.

## SCABIOSA

### (Morning Bride Sweet Scabious, Pin Cushion Flower, etc.)

Favorites with many of our customers. Seed can be sown any time in the spring after danger of frost is past, they grow about 2½ feet high, and come into bloom early in June, and continue without interruption until hard frost.

**IMPROVED LARGE-FLOWERING**—Azure Blue, Black Prince, Cherry Red, Rose, Flesh, Snowball and Scarlet.

Any of the above, prepaid, pkt., 10c; ¼ oz., 25c; oz., 65c.

**EXTRA FINE MIXED**—Prepaid, pkt., 10c; ¼ oz., 25c; oz., 65c.

## Hardy Perennial Scabiosas

**CAUCASICA (Blue Bonnet)**—One of the handsomest of hardy perennials especially valuable for cutting, the blooms lasting a long time in water; color soft lavender-blue. 3 feet. Prepaid, pkt., 15c.

## SCHIZANTHUS

(Butterfly, or Fringe Flower)—This is one of the airiest and daintiest flowers imaginable, especially adapted to bordering beds of taller flowers and those of a heavier growth. The seeds germinate quickly and come into bloom in a few weeks from sowing. The florescence in such as to completely obscure the foliage, making the plant a veritable pyramid of the most delicate and charming bloom. The Schizanthus make admirable pot plants for the house in late winter and early spring. For this purpose sow in the autumn. Finest mixed. Prepaid, pkt., 10c; ¼ oz., 35c.

**GARAWAY'S HYBRIDS**—Extra select strain. Prepaid, pkt., 20c.

## SMILAX

In many respects this Smilax is the most useful, and it is certainly one of the most graceful climbers which adorns the greenhouse or conservatory; for bouquets and floral decorations it is indispensable. Prepaid, pkt., 10c; ¼ oz., 35c.

## STATICE—PERENNIAL

A most valuable perennial plant for the border or rockery, with tufts of leathery leaves and immense candelabra-like heads.

**SINUATA**—Blue. Prepaid, pkt., 10c.

**SUWOROWI**—Light rose. Prepaid, pkt., 10c.

**TARTARICA**—White. Prepaid, pkt., 10c.

**LATIFOLIA**—Lavender. Prepaid, pkt., 10c.

## STEVIA

Free-blooming, bearing an abundance of pure white flowers; suitable for summer or winter blooming. Prepaid, pkt., 10c.





Sweet William

## STOCKS, Ten Weeks Stocks, or Gilliflowers

Stocks are one of the old-time favorites, and no garden was considered complete without its row of these beautiful flowers. They come in all shades—delicate pink, white, red, cream and purple. Stocks are annual and hardy; they may be sown out of doors in the spring, or in boxes in winter and transplanted.

**APPLE BLOSSOM**—White tinted pink.

**BRILLIANT**—Blood red.

**CREOLE**—Yellow.

**DEEP ROSE**—Very fine.

**DELICATE FLESH.**

**MAY QUEEN**—Pale blue.

**PRINCESS ALICE**—White.

**FINEST MIXED.**

Any of the above, prepaid, pkt., 10c.

## SWEET WILLIAM (Dianthus Barbatus)

The "Sweet Williams" are perennial plants, but best results are obtained by treating them as biennials. They grow readily from seed, and will bloom the year after sowing, which should take place in May or June.

They are stiff, formal plants, producing their bright-colored flowers in large umbels upon upright stalks. Massed into solid beds, they are very effective. 1 to 2 feet.

**SCARLET BEAUTY**—A very effective, rich, deep scarlet variety. Prepaid, pkt., 15c; 2 pkts., 25c.

**SINGLE MIXED**—All colors. Prepaid, pkt., 10c; ¼ oz., 25c.

**DUNNETTI**—Bright scarlet. Double. Prepaid, pkt., 10.

**DOUBLE MIXED**—All colors. Prepaid, pkt., 10c; ¼ oz., 40c.

## ANNUAL SWEET WILLIAM

**CHOICE MIXED**—These are almost identical with the perennial varieties in form of flower, but are annuals, blooming the same year the seed is sown. Prepaid, pkt., 10c; ½ oz., 35c.

## STOKESIA CYANEA

**CORN FLOWER ASTER**—One of the most charming hardy plants, freely blooming from July to October. Flowers of Centurea shape, 1½ to 2 feet. Blue. Prepaid, pkt., 10c.

## WALL FLOWER

Deliciously fragrant and combine many shades of color; the orange, purple and chocolate predominating; tender perennial, 1½ feet.

**DOUBLE MIXED**—Prepaid, pkt., 10c.

## THALICTRUM (Meadow Rue)

Very graceful, pretty flowered plants, with finely cut foliage; great favorites for planting in the hardy border; the dwarfier varieties also being effective and useful in the rockery.

**ADIANTIFOLIUM**—A beautiful variety, with foliage like the Maiden Hair Fern and miniature white flowers in June and July; 1½ to 2 feet. Prepaid, pkt., 10c.

**DIPTEROCARPUM**—A pretty and distinct species, with flowers of a charming shade of lilac mauve, which is brightened by a bunch of lemon-yellow stamens and anthers. The plant is of strong growth, about 4 feet high; the dainty flowers are produced in graceful sprays during August and September. Splendid for cutting. Prepaid, pkt., 25c; 2 for 45c.

**GLAUCUM**—Fine cut foliage; bronzy-yellow flowers in June; 2 feet. Prepaid, pkt., 10c.

## THUNBERGIA (Black Eyed Susan)

Four feet, beautiful climbers for hanging baskets and lawn vases; flowers trumpet-shaped.

**MIXED COLORS**—Prepaid, pkt., 10c; ¼ oz., 35c.

## TORENIA

A very fine annual; a splendid plant for vases, hanging baskets, borders, etc.; covered the entire season with a mass of bloom. Sky-blue, with three spots of dark blue, bright yellow center. Prepaid, pkt., 15c.

## VALERIANA (Valerian)

**RUBRA, MIXED**—Showy, hardy border plants; producing large corymbs of red or white flowers; fine for bouquets; mixed; 2 feet. Prepaid, pkt., 10c.

## VERBENA

This well-known annual of low-growing decumbent habit of growth is very desirable for massing in beds on the lawn. It is suitable also for borders and window boxes. Large clusters of showy flowers are borne in succession through a long season until frost. Each truss or cluster is about 2 or 3 inches across, and including a dozen or more single flowers about ¾ inch across, tubular with five spreading lobes. The length of stem and texture of the flowers make them of value for bouquets and table decorations. There is a wide range of color, shades and stripes, usually running from pure white to deep purple.

Plants grown from the seed are not only cheaper, but are strong and vigorous in growth, with rich, dark foliage. Sow seed early in cold frame boxes in light, sandy soil, in a sunny window, or it may be sown thinly in shallow drills in open ground. When the young plants are well started, they should be thinned or transplanted to stand 12 inches apart in a row.



Verbena



**VERBENA HYBRIDA**

**DEFIANCE**—Bright Scarlet.  
**FIREFLY**—Scarlet, white eye.  
**ITALIAN STRIPED**.  
**LUTEA**—Yellow.  
**PINK AND ROSE SHADES**.  
**PURPLE MANTLE**—Purple.  
**WHITE** (Candidissima).  
**MAMMOTH CHOICE MIXED**.

Any of the above, prepaid, pkt., 10c; ¼ oz., 65c.

**VERBENA HYBRIDA GRANDIFLORA**

Immense trusses, the individual florets measuring an inch in diameter; are slightly frilled. Splendid.

**VIOLACEA STELLATA**—Deep violet, white eye. Prepaid, pkt., 15c.

**GIGANTEA MIXED**. Prepaid, pkt., 15c.

**VISCARIA**

**CARDINALIS**—An annual plant of easiest culture, admirably suited for bedding. It grows a foot high and produces freely large, single flowers of a bright crimson color throughout the summer. Prepaid, pkt., 10c.

**XERANTHEMUM****(Everlasting, or Immortelle)**

**ANNUUM**—One of the prettiest and most satisfactory of the Everlastings, bearing an abundance of bright rose, purple and white flowers, which are not only showy in the garden, but very useful as dried flowers in winter bouquets. Grows about 3 feet high. Prepaid, pkt., 10c.

**Harnden's Improved Giant Flower Zinnias****SPECIAL STRAIN OF ROBUSTA DOUBLE**

This is our own strain of this old favorite and continuous flowering annual. The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, freely branched and make excellent material for grouping or cutting. They attain a height of three to four feet.

**Cardinal, Crimson, Scarlet, Delicate Pink, Shrimp, Pink, Flesh Pink, Salmon Pink, Rose Pink, Salmon Rose, Orange, Apricot Orange, Burnt Orange, Light Canary, Canary Yellow, Golden Yellow, Lavender, Violet, Purple and White.**

Any of the above, prepaid, pkt., 15c; ¼ oz., 35c; oz., \$1.00.

**SPECIAL MIXTURE**—Of all above choice colors. Prepaid, pkt., 15c; oz., \$1.00.

**HARNDEN'S MAMMOTH DOUBLE ZINNIAS****Peerless Strain**

An improved type of the Giant Robusta Zinnia that will give a constant display of flowers, of larger size—from five to seven inches in diameter throughout the season. A splendid type for those who have only a small space to devote to this group of flowers. It is most effective in appearance, and has had all single flowers, entirely eliminated.

**Crimson, Scarlet, Delicate Pink, Salmon Pink, Canary Yellow, Primrose Yellow, Orange and Pure White.**

Any of the above, prepaid, pkt., 20c; ¼ oz., 50c.

**HARNDEN'S GIANT MAMMOTH TYPE ZINNIA**

This strain is the very best obtainable in the Robusta group. As yet we are able to offer in limited quantities, but we desire our customers to try this strain to see the aim of the seed producers. The objectional feature of the Giant Zinnia—the conical shape has been overcome. They have smaller centers, and more loosely placed petals, while the size has been increased. The petals are delicately imbricated, and the flower from bud to full bloom presents a graceful appearance.

**ORANGE KING**—Is the well known Calendula color from which it takes its name, very striking.

**LEMON QUEEN**—If of immense size, and a color that is the best. Petals are of light canary on the upper and cereose on the lower side, the two shades blending as the bloom develops. It also is unique in being the only Zinnia in existence that has a pleasant odor. Delightfully different.

**PURITY**—Is a clear white Zinnia. Entirely free from the greenish tint, so unpopular in the White Zinnia.

**VERONICA (Speedwell)**

Amethyst-blue flowers in June and July; 2 feet. Hardy perennial. Prepaid, pkt., 10c.

**VINCA ROSA (Periwinkle)**

Ornamental free-blooming plants with dark laurel-like foliage and handsome pink and white flowers. Seeds should be sown early and then the plants will bloom the first summer. White, with eye, and pink. Prepaid, pkt., 10c; ¼ oz., 40c.

**VIOLA ODORATA**

The "Sweet Violet" is one of the modest flowers, which by their loveliness and fragrance are universally appreciated. They are perennials, and succeed in any well enriched soil. Half-shady positions under bushes or along walls and hedges suit them best.

Sow the seed in May, and in August and September transplant in well enriched beds; soon after the snow is off the following spring they begin to bloom and throughout the spring will give a profusion of flowers.

**DARK VIOLET BLUE**—Sweet-scented. Prepaid, pkt., 15c.

**VIOLAS, or TUFTED PANSIES (Viola Cornuta)**

Seeds sown in early spring will produce free-flowering plants in early summer, and their florescence last continuously until frost, unless they are checked by a severe drought in summer. Heat and sun, however, do not affect the tufted pansies as severely as they do the large-flowering, and for this reason they are especially valuable for bedding. Mixed, prepaid, pkt., 10c.



Zinnia, Lemon Queen

**ROSE QUEEN**—Opens a bright rose with a deep rose center developing into a warm deep rose when maturing. Without doubt the most pleasing of this type for size as well as color. It will prove a great favorite.

Any of the above, prepaid, pkt., 25c; ¼ oz., 60c.

**NEW DOUBLE DAHLIA-FLOWERED ZINNIA**

A new type of Zinnia that we offered last season for the first time. We are placing it among our Zinnias again this season with an added assurance, which is based on the numerous unsolicited compliments we received on this particular stock. It retains all of the sturdy and free-blooming qualities of the Giant Zinnia and, in addition, produces larger and more compact blooms, longer stems and a greater range of colors. The colors are in pastel shades, which make them difficult to describe, but they are softer and more varied than those found in the Giant Zinnia. For those who desire the utmost in blooms and the best in color pigments we heartily recommend this new class of Zinnia.

**CRIMSON MONARCH**—By far the largest and best of the red shades. Flowers often 8 inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Prepaid, pkt., 25c.



**DREAM**—A fine, deep lavender, turning to purple (Mallow purple), a new, desirable shade in Zinnias. Prepaid, pkt., 25c.

**ILLUMINATION**—Striking self color of deep rose. True dahlia-flowered. Prepaid, pkt., 25c.

**METEOR**—A rich, glowing deep red (Spinel Red) and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds. Prepaid, pkt., 25c.

**SCARLET FLAME**—A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. Prepaid, pkt., 25c.

**ORIOLE**—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Prepaid, pkt., 25c.

**OLD ROSE**—This is adequately described by its name, as it is of the real Old Rose shade; it is large, and for charm and beauty we consider its rank next to Exquisite. Prepaid, pkt., 25c.

**POLAR BEAR**—A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Prepaid, pkt., 25c.

**BUTTERCUP**—An immense deep creamy yellow. A very desirable flower, which should be included in every collection. Prepaid, pkt., 25c.

**CANARY BIRD**—A delicate shade of primrose, very large and hold its color well until out of bloom. Prepaid, pkt., 25c.

**EXQUISITE**—See back cover.

**GOLDEN STATE**—See back cover.

**GIANT ATTRACTION**—See back cover.

## HARNDEN'S PICOTTE ZINNIA

This strain of Zinnia shows a picotte edge, each petal having an edge of a deeper or a distinct color, contrasting to the ground color, it is one of the most difficult types to obtain true to type, yet one of the most effective. Flowers of medium size, and attractive for bedding or cutting.

**GOLDEN PHEASANT**—Ground color is golden yellow, tipped with bronzy maroon. Prepaid, pkt., 25c; ¼ oz., 75c.

**OLD ROSE**—Ground color is old rose with a lighter tip. Prepaid, pkt., 25c; ¼ oz., 75c.

**HARNDEN'S SPECIAL MIXED**—Ground colors are in many shades, of pink, yellow, salmon and buff, tipped with maroon and other colors. Prepaid, pkt., 25c; ¼ oz., 75c.

## HARNDEN'S CRESTED AND CURLED

The petals are long, elegantly twisted and curled, giving the flowers a most attractive appearance, somewhat resembling a cactus dahlia in shape. The colors range in many shades of pink, yellow, crimson and many other choice colors. Forms a compact plant, height about 2 feet. Blooms until frost. Prepaid, pkt., 15c; ¼ oz., 35c.

## HARNDEN'S VICTORY QUILLED ZINNIA

The petals on this type of Zinnia are long, quilled, and the upper and reversed show contrasting colors. This characteristic tends to make them very attractive, two-toned flowers especially adapted to cutting. Can be supplied only in mixed colors. Prepaid, pkt., 25c.



Zinnia, Lilliput

## HARNDEN'S ELEGANS PUMILA DWARF DOUBLE ZINNIA

We consider this the best Zinnia for bedding. It forms compact bushy plants about two feet in height, and is covered all through the season with medium sized flowers of splendid, round context.

Bright Scarlet, Canary Yellow, Dark Scarlet, Fireball, Golden Yellow, Salmon Rose, Snowball or all colors mixed. Any of the above, prepaid, pkt., 10c; 1 oz., 75c.

## HARNDEN'S ELEGANS LILIPUT ZINNIA

A small Elegans type growing about one foot high with small flowers. Splendidly adapted for edging perennial beds, or for running borders.

Scarlet Gem, bright scarlet; Golden Gem, golden yellow; and mixed colors. Prepaid, pkt., 10c; oz., 75c.

## HARNDEN'S RED RIDING HOOD ZINNIA

A very dwarf Scarlet Gem, with deep scarlet blooms less than one inch in diameter, a profuse bloomer, and very attractive. Prepaid, pkt., 10c; oz., 75c.

## SWEET PEAS HOW TO GROW SWEET PEAS

The soil for Sweet Peas should be rich and deep. A good rich loam, with plenty of well-rotted manure in it, is the ideal soil for raising good plants that will produce plenty of good blooms of good substance. They should be in a position fully exposed to the sunlight and air on both sides of the row.

Much depends upon the state of the weather as to when the seed may be sown out of doors; but they should be sown as early in the season as the ground can be worked, which is usually between the middle of February and the middle of March. It is best to make a trench or furrow about 6 inches deep, in the bottom of which sow the seed. Cover with about an inch of soil, pressing it down firmly. As soon as they are above ground, thin out to 2 to 4 inches apart; when planted too close they do not attain their full development. They should be staked up either with branches of brush or stout stakes on which wire netting has been fastened. These should be at least 4 feet high, and 5 feet would be better. It is just as well to do the staking at the time of sowing.

During the dry weather they should be watered thoroughly and frequently. The flowers should be cut as often as possible, to prevent the plants from running to seed, which would stop them from continuing in bloom.

## SPENCER SWEET PEAS

These Spencer Sweet Peas are distinguished for their gigantic size, frequently measuring 2 inches across; the bold, erect standard, which is uniformly waved, crimped and fluted in exquisite fashion; the charming blendings of harmonious colors, the exceedingly long flower stems, which make them unexcelled for cutting; the great profusion of flowers and the large number of flowers on the stem.

## EARLY FLOWERING SPENCER, OR WINTER FLOWERING

**ALL WHITE**—White.

**AMETHYST**—Royal purple.

**AVIATOR**—Crimson.

**BLANCHE PERRY**—Pink and white.

**BLUEBIRD**—A charming mid-blue self. A heavy producer.

**BOHEMIAN GIRL**—Deep pink.

**CHERRY RIPE**—Salmon-cerise.

**CREAM**—As named.

**FAIR MAID**—Blush pink.

**FIRE KING**—Orange-scarlet.

**GLITTERS**—Cerise.

**HARMONY**—Clear lavender.

**HERCULES**—Large rosy-pink, long stems and a free producer. Same lovely shade of pink as Countess Spencer.

**ROSE CHARM**—Bright rose.

**ROBIN RED-BREAST**—Bright orange-scarlet.

**SONG BIRD**—Pale blush pink.

**SNOW STORM**—A good early pure white. For late planting.

**VENUS**—Standard white, slightly blushed pink wings.

**WEDGEWOOD**—Magnificent clear blue.

**YARROW**—Bright rose-pink. Lighter wings.

**ZVOLANEK'S BLUE**—Bright blue.

**ZVOLANEK'S ORANGE**—Orange pink.

**ZVOLANEK'S ROSE**—Giant rose pink.

Any of the above, prepaid, pkt., 15c; oz., 80c.



## GRANDIFLORA VARIETIES

BLACK KNIGHT—Deep Maroon.  
 BLANCHE FERRY—Red and white.  
 BRILLIANT BLUE—Deep blue.  
 COUNTESS OF RADNOR—Lavender.  
 DOROTHY ECKFORD IMPROVED—Large white.  
 HON. MRS. E. KENYON—Primrose.  
 JANET SCOTT—Deep pink.  
 KING EDWARD VII.—Bright red.  
 LADY GRISEL HAMILTON—Lavender.  
 MISS WILMOT—Orange-pink.  
 QUEEN ALEXANDRA—Scarlet.  
 Any of the above, prepaid, pkt., 10c; oz., 15c; ¼ lb., 40c;  
 1 lb., \$1.25.  
 SPECIAL MIXTURE SWEET PEAS—Prepaid, pkt., 10c;  
 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

## New and Standard Spencer Varieties SPENCER SWEET PEAS

These Spencer Sweet Peas are distinguished for their gigantic size, frequently measuring 2 inches across; the bold, erect standard, which is uniformly waved, crimped and fluted in exquisite fashion; the charming blendings of harmonious colors, the exceedingly long flower stems, which make them unexcelled for cutting; the great profusion of flowers and the large number of flowers on the stem.

## Butterfly or Spencer Varieties

ALEXANDER MALCOLM—Fine cerise toned orange scarlet. Prepaid, pkt., 10c; oz., 40c.  
 AMERICA—Carmine stripe on white. Prepaid, pkt., 10c; oz., 40c.  
 APPLEBLOSSOM—Standard rose, showing veins of deeper rose, wings light carmine, the whole color overspreads on primrose. Prepaid, pkt., 10c; oz., 30c.  
 BLANCHE FERRY—Standard bright carmine rose and wings white, suffused and tinted with light pink. Prepaid, pkt., 10c; oz., 30c.  
 BLUE MONARCH—Dark blue. Prepaid, pkt., 10c; oz., 30c.  
 BLUE PICOTTE—White, edged violet blue. Prepaid, pkt., 10c; oz., 30c.  
 BOLTON'S ORANGE—Rich orange salmon self. Prepaid, pkt., 10c; oz., 40c.  
 COMMANDER GODSALL—New, violet-blue. Prepaid, pkt., 15c; oz., 60c.  
 CONSTANCE HINTON—Of enormous size. The best white for outdoor planting. Prepaid, pkt., 10c; oz., 40c.  
 COUNTESS SPENCER—Clear pink deepening somewhat towards the edge. Prepaid, pkt., 10c; oz., 30c.  
 DOBBIE'S CREAM—Deep cream or primrose. Prepaid, pkt., 10c; oz., 40c.  
 DOBBIE'S LAVENDER GEO. HERBERT—Improved Florence Nightingale, opens a little mauvish but clears to pure lavender. Prepaid, pkt., 10c; oz., 40c.  
 ELFRIDA PEARSON—Large deep blush waved buds and young flowers having a bronze sheen. Prepaid, pkt., 10c; oz., 30c.  
 FIERY CROSS—A new shade of red Turkey or military red. Prepaid, pkt., 10c; oz., 40c.  
 FLORENCE NIGHTINGALE—Lavender. Prepaid, pkt., 10c; oz., 40c.  
 GLADYS—Lilac self. Prepaid, pkt., 20c.  
 GIANT WHITE—Prepaid, pkt., 25c.  
 GOLDEN GLORY—Glowing orange. Prepaid, pkt., 15c; oz., 70c.  
 HAWLMARK PINK—Rich, bright rose pink, deeply flushed and shaded salmon. Prepaid, pkt., 10c; oz., 40c.  
 MARGARET ATLEE—Apricot pink on cream ground. Prepaid, pkt., 10c; oz., 30c.  
 MASCOT'S WHITE—A large waved white of good substance. Prepaid, pkt., 15c; oz., 50c.  
 MASTERPIECE—Clear lavender self, slightly flushed rose on standard. Prepaid, pkt., 10c; oz., 40c.  
 HERCULES—A rich pink flower, waved. Prepaid, pkt., 10c; oz., 40c.  
 ILLUMINATOR—Bright salmon, cerise sparkling with orange. Prepaid, pkt., 10c; oz., 40c.  
 KING EDWARD VII.—Rich waved crimson. Prepaid, pkt., 10c; oz., 30c.  
 KING MANUEL—Giant chocolate maroon self. Prepaid, pkt., 10c; oz., 30c.  
 KING WHITE—Produces gigantic flowers absolutely pure white. Prepaid, pkt., 10c; oz., 30c.  
 MRS. TOM JONES—Bright delphinium blue, a very attractive color. Prepaid, pkt., 10c; oz., 40c.  
 NEW BUTTERCUP—A deep cream. Prepaid, pkt., 10c; oz., 30c.  
 PICTURE—Color, flesh-pink with rosy creamy apricot. Prepaid, pkt., 15c; oz., 60c.  
 PINK PEARL—Pearly pink. Prepaid, pkt., 15c; oz., 60c.  
 ROSABELLE—A very large bright waved rose. Prepaid, pkt., 10c; oz., 30c.

ROYAL PURPLE—The best purple. Prepaid, pkt., 10c; oz., 30c.  
 ROYAL SCOT—The most brilliant scarlet. It does not fade or burn in the hottest sunshine. Prepaid, pkt., 15c; oz., 60c.  
 STIRLING STENT—A bright salmon colored flower. Prepaid, pkt., 10c; oz., 40c.  
 TANGERINE—Deep orange colored flower, almost approaching the color of a tangerine orange. Prepaid, pkt., 10c; oz., 50c.  
 THE CARDINAL—Brilliant poppy scarlet. Prepaid, pkt., 10c; oz., 40c.  
 WEDGEWOOD—A lovely self blue. Prepaid, pkt., 10c; oz., 40c; ¼ lb., \$1.25.  
 SPENCER MIXED—Prepaid, pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.  
 CUPID SWEET PEAS—Spencer mixed. Prepaid, pkt., 10c; oz., 50c.

## TEN CHOICE SWEET PEAS

BLANCHE FERRY—Bi-color.  
 CONSTANCE HINTON—White.  
 ELFRIDA PEARSON—Shell pink.  
 GEORGE HERBERT—Lavender.  
 ROYAL SCOT—Orange-Scarlet.  
 VERMILION BRILLIANT.  
 WARRIOR—Deep maroon.  
 KING EDWARD—Pure red.  
 BLUE MONARCH—Dark blue.  
 ROYAL PURPLE—Purple.  
 One each of these special varieties, prepaid, 65c. If purchased separately would cost \$1.00. We do not change varieties.

## HARDEN'S SPECIAL MIXTURE

This mixture is made up of Early and Late ruffled Spencer varieties. The earliest and latest, mixed together prolongs the blooming season and gives you flowers through the early summer season. Prepaid, pkt., 10c; oz., 35c; ¼ lb., 75c.

## CANNA ROOTS

No other bedding plant will give the same uniform good results in our varied and trying climate. They do well in all sections of the country, and stand pre-eminently at the head of the list; succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded 2 feet deep and a liberal amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. For best effect plant in large masses of one color, setting out the plants 2 feet apart.

CITY OF PORTLAND—3½ feet. The flowers are of the largest size, borne on heavy trusses. The color is a glowing shade of pink. The foliage is substantial and strong, of rich green color and free from defects. Prepaid, each, 25c; dozen, \$2.50; per 100, \$18.00.

EUREKA—4 feet. The best white Canna for all purposes. The large substantial flowers are very freely produced on strong vigorous plants. Prepaid, each, 20c; dozen, \$2.00; per 100, \$12.00.

FIREBIRD—A remarkable Canna with perfectly formed flowers of a brilliant cardinal red; flowers are from 7 to 8 inches in diameter; foliage is of heavy texture; 4 feet. Prepaid, each, 25c; dozen, \$2.00; per 100, \$15.00.

FLORENCE VAUGHN—Yellow, with bright red spots; green foliage; 4½ feet. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

GLADIOFLORA—3 feet. Crimson changing to carmen-rose and edged with gold. Bronze foliage. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

GOLDEN GATE—Four feet. The flowers open almost pure gold, but soon become richly rayed with orange-crimson and apricot centering to the throat. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

ITALIA—5 feet. Orchid-flowering variety. Color scarlet, broadly edged golden-yellow. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

KING HUMBERT—Nothing to equal it for "blazy" effects in bedding. Easily ahead of all bronze-leaved Cannas, both in foliage and flower. Color fine orange-scarlet, flaked carmine. Grows 4 to 4½ feet high and makes fine large clumps. (Orchid-flowered.) Prepaid, each, 20c; dozen, \$2.00; per 100, \$14.00.

LOUISIANA—6 feet. An orchid-flowering variety of vivid scarlet. The long silky flowers are borne well above the foliage. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

MRS. ALFRED F. CONRAD—A most remarkable variety, with exquisite salmon-pink flowers of largest size in erect and abundantly furnished heads, freely produced; green foliage, 4 feet. (Orchid-flowered.) Prepaid, each, 25c; dozen, \$2.50; per 100, \$18.00.



## CANNA ROOTS—Continued

**ROSEA GIGANTEA**—Three and a half feet. Rich, soft rose-pink flowers of gigantic size; a prolific bloomer. The large, broad petals and the massive heads of bloom invariably create a sensation. Prepaid, each, 25c; dozen, \$2.50; per 100, \$18.00.

**SHENANDOAH**—Four feet. Flowers salmon-pink, borne in large clusters; foliage rich ruby-red. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

**THE PRESIDENT**—4 feet. This Canna is superior to any other red variety in the quality and also the quantity of bloom. Color rich glowing scarlet and the immense firm flowers are produced on strong erect stalks well above the large, rich green foliage. The foliage is entirely from disease. Prepaid, each, 20c; dozen, \$1.00; per 100, \$15.00.

**WYOMING**—5 feet. True orchid-flowered variety, with magnificent orange-colored flowers; foliage purple. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

**YELLOW KING HUMBERT**—The same graceful heart-shaped leaves, but all green, instead of bronze; the same regal type and immense size of flower, but a brilliant yellow, instead of red, and produced much more abundantly. Although the general effect is yellow, each petal is beautifully spotted with red; without question one of the most handsome varieties in this type. Green foliage; 4 to 5 feet. Prepaid, each, 20c; dozen, \$2.00; per 100, \$12.00.

## CALADIUM ESCULENTUM—Elephant Ear

One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

**EXTRA LARGE**—9 to 11-inch circumference. Prepaid, each, 25c; by express, dozen, \$2.00; 25 for \$3.75.

**MAMMOTH SIZE**—12-inch and up circumference. Prepaid, each, 40c; by express, dozen, \$4.00; 25 for \$7.75.

Mailing weights for each size per dozen bulbs are as follows: Extra, 10 lbs; Mammoth, 17 lbs.

## DAHLIAS OF SPECIAL MERIT

All of our Dahlia Tubers are grown by a leading specialist. They are well formed, selected Tubers and have strong crown cuttings. We take pride in presenting the following list of leading novelties and old favorites:

The Peony Type has a decided single or double outside row of petals with the inner petals incurving over the center. The newest type and very attractive for cutting.

The Cactus Type has long twisted petals of varying color. The Decorative Type is readily recognized by its larger blossoms and flat petals.

The Collerette Type has single flowers with an additional row of short petals around the disc usually of a contrasting color.

The Show or Fancy Type is the old-fashioned ball Dahlia that produces such an abundance of smaller blooms.

**ARDEN (Collerette)**—Very rich and effective deep golden yellow, blotched vivid orange-crimson, collar pure yellow. Prepaid, each, 35c; dozen, \$3.50.

**A. D. LIVONI (Show)**—Clear, bright pink, quilled petals, the best pink show dahlia. Prepaid, each, 40c; dozen, \$4.25.

**BILLIE (Peony)**—Color, light rose, tipped violet rose with a suggestion of yellow at the base of the petals, the general effect being a bright rose pink. Flowers are of beautiful form with petals curved and twisted, averaging at least six inches across on long stems. Prepaid, each, 50c.

**COMRADE (Cactus)**—A very pleasing variety of dwarf-branching habit, producing the clear salmon-pink flowers freely on stiff stems well above the foliage. Prepaid, each, 35c dozen, \$3.50.

**COUNTESS OF LONSDALE (Cactus)**—A peculiar but pleasing blending of salmon-pink and amber, a color difficult to describe. Blooms freely under all conditions. Prepaid, each, 50c; dozen, \$5.00.

**CRIMSON KING (Cactus)**—The plant is strong, vigorous grower and a wonderful bloomer late in the season when most cactus come open centered. It is a Florida production that does even better in the north than in the south. Color, rich crimson. A cross of Yellow King and Norman, and is far stronger than either parent. The flowers are of perfect shape with long narrow, incurved and twisted petals; plants 4 feet high. Prepaid, each, \$2.00.

**CRYSTAL (Cactus)**—One of the very finest, clear soft pink Cactus. Flowers are of large size with narrow incurved petals and full centers. A strong vigorous grower and profuse bloomer. An excellent variety for exhibition and garden. Prepaid, each, 75c; dozen, \$7.50.

**DELICE (Decorative)**—Still one of the loveliest of this class, on account of its wonderful color; a bright luminous pink entirely distinct. The flowers are held facing, well above the foliage on straight stiff stems. Prepaid, each, 35c.

**DREAM O' LOVE (Peony)**—One of the most strikingly effective of this class. The flowers are of large size and beautiful form, with outer petals reflexed, whorled and twisted; while the inner petals are also whorled and twisted, but incurved. The color is the brightest, most luminous geranium red, richly shaded, and each petal is distinctly tipped yellow. The flowers have great depth and substance; are splendid for cutting and decorations. The plant is a very sturdy grower, of branching habit and produce the flowers freely on stiff stems; making it an ideal garden plant. Roots, prepaid, each \$2.00.

**DR. TYRREL (Decorative)**—A very large, rich bronzy golden yellow, shaded orange. A rather late flower of great size, on long stiff stems. Prepaid, each, 25c.

**F. R. AUSTIN (Peony)**—One of the most striking and valuable peony Dahlias in existence. The beautifully colored flowers are of large size, averaging 6 to 8 inches across. Color, the outer petals are very long, creamy yellow, suffused, banded and shaded rich crimson; the inner petals are yellow at base, tinting lighter, and suffused pink and crimson. The plant is a strong, vigorous grower, an extremely early and free bloomer, and continues to bloom the entire season, making it most valuable for garden and exhibition. Prepaid, each, 35c; dozen, \$3.50.

**GOLDEN WEST (Cactus)**—This is a California variety that is in a class by itself, in its color, has rich golden, bronzy yellow, with the scarlet shading at the base of the petals and the center. It is a wonderful grower, strong and sturdy, with heavy, clean, healthy leaves, and branching habit, producing the large flowers freely on long, stiff stems. The flower is large, 6 to 8 inches across, the outer petals reflexing somewhat, and a full, high center, making it very deep. Prepaid, each, 60c; dozen, \$6.75.

**HORTULANUS FIET (Decorative)**—Immense size, with full, well-formed center. Flowers often measuring more than 9 inches across, and borne on long, stiff stems; lovely shades and tints of rich salmon-pink. Prepaid, each, 60c; dozen, \$6.00.

**JACK ROSE (Decorative)**—The best crimson for garden or cutting that brilliant crimson red that makes the "Jack" rose popular; and suggested the name. Prepaid, each, 35c; dozen, \$3.50.

**JOHN WANAMAKER (Decorative)**—One of the loveliest-formed, no two petals or flowers just alike. Color soft orchid pink. An extremely early and profuse bloomer. Should be disbudded to give large long-stem flowers. Prepaid, each, 50c; dozen, \$5.00.

**KALIF (Cactus)**—A very large pure scarlet-red. A strong plant, producing the giant flowers freely on long stiff stems. This is undoubtedly the most popular red Cactus Dahlia today and one that gives universal satisfaction. Prepaid, each, 75c.

**LAWINE (Cactus)**—A magnificent flower on long stems. A large white, lightly suffused pink. A strong vigorous grower, early and profuse bloomer. One of the best for commercial cut flowers and for garden. Prepaid, each, 25c.

**MAURICE REVOIRE (Collerette)**—Rich crimson-maroon, white color. Plant is a strong, vigorous grower and profuse bloomer. Very effective. Prepaid, each, 35c; dozen, \$3.50.

**MILLIONAIRE (Decorative)**—Very large, full regular decorative form. Lavender pink, tinting to white at center. Prepaid, each, \$1.00.

**MINA BURGLE (Decorative)**—A champion variety, producing flowers of gigantic size and remarkable beauty. The best in existence; in color, a glowing and most brilliant scarlet. The flowers are of perfect Decorative type and borne upon long, wiry stems, well above the foliage. Prepaid, each, 50c; dozen, \$5.00.

**MRS. E. J. WARE (Peony)**—Was raised by Mrs. Ware, a Dahlia-fancier of this city, and has been tried out carefully to ascertain if it will withstand our climatic conditions. It is a vigorous grower, and the blooms, produced on long slender stems, stand well above the foliage. The color, a delightful rosy yellow, is delicately overlaid with a silver sheen. To our customers who wish to raise a Dahlia that is excellent for cutting purposes, we cannot recommend Mrs. E. J. Ware too highly. Prepaid, each, 60c; dozen, \$6.00.



**PRINCE CARNIVAL** (Collette)—Very large and fine. Soft rosy red with light color. Prepaid, each, 35c; dozen, \$3.50.

**PATRICK O'MARA** (Decorative)—The color is an unusually soft and pleasing shade of orange buff, slightly tinged with Neyron rose. It is very large, 7 to 9 inches in diameter, and borne on long, strong, erect stems. It is a strong, vigorous grower and free bloomer. The giant flowers are well formed, with good full center, while the outer petals are most pleasingly irregular. Prepaid, each, \$1.00; dozen, \$11.00.

**QUEEN OF HEARTS** (Cactus)—A beautiful pure white, with yellow at the base of petals. Prepaid, each, 40c; dozen, \$4.25.

**SUNSET**—(Cactus)—The best of the bronzy autumn shades. Yellow at base, shading to bright apricot; full and free, with stiff stems. A fine garden and cut flower. Prepaid, each, 50c; dozen, \$5.50.

**YELLOW** (Show)—One of the largest of all Show Dahlias, being of gigantic size. Color light yellow, tinting to cream at the tips, giving it a most pleasing effect. The immense flowers are borne on long stiff, but slender stems. Prepaid, each, 35c.

**F. W. FELLOWS** (Cactus)—Flowers of immense size. Composed of numerous long narrow incurved petals of a lively orange scarlet. This is one of the largest and finest Autumn shade varieties. Should be in every collection. Prepaid, each, 50c.

## GLADIOLI

Gladioli do best in a sunny location; a good sandy loam suits them best; they will do equally well in heavy soil if the drainage is perfect. Well-rotted stable manure is the very best fertilizer. To get the best results, the manure should be spread over the ground in the fall and dug early in the spring by deep spading. Sheep manure is a good substitute and can be applied in the spring. Plant the bulbs 6 to 9 inches apart and from 2 to 4 inches deep; the large bulbs can be planted 4 inches deep and the small bulbs about 2 inches deep. Gladiolus bulbs mailed without additional charge.

**ALICE TIPLADY**—A wonderful variety of an entirely new and distinct color, a rich orangy saffron, very beautiful and artistic blooms, the largest and finest of the Primulinus hybrids to date. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

**AMERICA**—Conceded to be one of the finest varieties for cutting or bedding ever sent out; color a beautiful soft flesh-pink; orchid-like in its coloring and texture; growth and habit perfect. Prepaid, each, 6c; dozen, 60c; per 100, \$3.00.

**BARON HULOT** or **BLUE KING**—A really fine blue Gladiolus, in color a rich, royal violet blue, very effective when cut and used in conjunction with a yellow variety. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

**GLORY OF KENNERMERLAND**—Comparatively new and uncommon. Growing rapidly in favor as it becomes known. It is a very rich, deep rose, with golden yellow blotch and throat. Flower very large, of wide-opened bell shape, with rounded petals. Prepaid, each, 15c; dozen, \$1.50; per 100, \$10.00.

**HALLEY**—Salmon, white-blotched. Prepaid, each, 10c; dozen, 75c; per 100, \$5.00.

**MARSHALL FOCH**—Fine salmon-pink. Giant flowers on long spikes. Prepaid, each, 10c; dozen, \$1.00; per 100, \$8.00.

**MRS. FRANCIS KING**—A striking shade of light scarlet, one of the most effective, both in the border and when cut. Prepaid, each, 7c; dozen, 60c; per 100, \$4.50.

**MRS. FRANK PENDLETON**—The flowers are of largest size, borne on strong, straight spikes. In color a lovely salmon-pink, with brilliant deep, red blotches in the throat. A color combination rivalling many of the finest orchids in its richness, exquisite in every way. Prepaid, each, 10c; dozen, 75c; per 100, \$5.50.

**NIAGARA**—A charming variety, of a delicate cream-yellow, lightly marked and splashed with rosy-carmine in the throat; beautiful as a cut flower. Prepaid, each, 10c; dozen, \$1.00; per 100, \$7.00.

**PEACE**—Immense pure white flowers with a touch of carmine in the lower petals. These are borne on tall, graceful spikes; a beautiful and exceedingly refined variety. Prepaid, each, 10c; dozen, 80c; per 100, \$6.00.

**PRINCE OF WALES**—Very large, delicate salmon-pink. A lovely variety. Prepaid, each, 15c; dozen, \$1.50; per 100, \$12.00.

**PRINCES**—Immense wide-open amaryllis-like flowers of a rich dazzling scarlet, marked with white on the lower portion, which serves to intensify the brilliancy of the scarlet. Prepaid, each, 12c; dozen, \$1.10; per 100, \$8.50.

**SCHWABEN**—A most meritorious imported variety of wonderful vigor, with strong erect spikes and large, well-expanded flowers of a clear canary yellow, with a small blotch of deep garnet in the throat. This may now be considered the best and freest-growing yellow variety. Prepaid, each, 10c; dozen, \$1.00; per 100, \$8.00.

**WAR**—A magnificent dark variety with tall spikes well filled with large flowers of a rich blood-red shaded with crimson-black. Prepaid, each, 12c; dozen, \$1.25; per 100, \$8.00.



Alice Tiplady Gladioli

**EXTRA** (Fine Mixed)—This mixture contains many of named sorts, insuring a wide range of colors, shades and types. Prepaid, dozen, 50c; per 100, \$3.00.

## TUBEROSES

**EXCELSIOR DWARF PEARL** (Mammoth)—One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted as late as July. For flowering in the open border plant about the middle of April or as soon as the ground becomes warm. Mammoth bulbs. Prepaid, each, 15c; dozen, \$1.25; 25 for \$2.35. Large bulbs. Prepaid, each, 10c; dozen, 75c; 25 for \$1.50.

**MEXICAN TUBEROSE**—These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single true tuberose fragrance. Prepaid, each, 5c; dozen, 50c; 25 for \$1.00; 50 for \$1.75.

## HYACINTHUS CANDICANS

**SUMMER HYACINTH**—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous; 4 feet high. Prepaid, each, 15c; dozen, \$1.50.

## ISMENE CALATHINA

**PERUVIAN DAFFODIL**—A grand summer-like, pure bulb, producing with great freedom large Amaryllis-like, pure white fragrant blossoms. Keep the bulbs in a dry, warm place, and plant out in June. Bulbs can be taken up in October, and, after a few weeks' rest, potted and flowered in the house in the winter, or kept over for planting out another season. Prepaid, each, 25c; dozen, \$2.50.





Regale Lily

## LILIES

Select a well-drained spot, dig deep and enrich well with manure. Plant the bulb from 6 to 8 inches deep, according to size; mix sand with the soil and be sure no manure comes in contact with the bulbs, as it would cause them to decay. Plant as soon as the ground can be worked.

**LILIUM AURATUM** (Mammoth Bulbs)—The glorious gold-banded Lily of Japan, and one of the grandest plants in cultivation. Its immense ivory flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, fading at the edges into white. Prepaid, each, 60c; dozen, \$6.00. Largest size.

**SPECIOSUM ALBUM**—Pure white flowers, with a greenish band through the center of each petal. They are of great substance and very fragrant. One of the best for general culture. Prepaid, each, 50c; dozen, \$5.00.

**LILIUM SPECIOSUM RUBRUM**—The famous Japan Lily. No words can overstate the brilliant beauty of this charming flower. Its six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the Lily family. Height outdoors in the open, usually 2 to 4 feet. Prepaid, each, 60c; dozen, \$6.00.

**LILIUM TIGRINUM SPLENDENS** (Improved Tiger Lily)—This is a development of the Tiger Lily. It is sturdier, has better form and larger flower spikes. It blooms during July and August. Can be planted with success in either the spring or fall. Its color is spotted orange-yellow. Prepaid, each, 25c; dozen, \$2.50.

**LILIUM TIGRINUM FLORE PLENO** (Double Tiger Lily)—Similar in growth and color to the Tigrinum Splendens, except that the flowers are double and are borne in immense clusters. Prepaid, each, 30c; dozen, \$3.00.

**HENRYI** (The Yellow Speciosum)—A superb new Chinese Lily for garden culture. A very healthy strong grower and will prove itself one of the best. A heavy bloomer, its 3 to 5-foot stalks often carrying seven to nine flowers of a deep apricot yellow, spotted with brown. Prepaid, each, 75c; dozen, \$7.50.

**REGALE**—A new Lily of remarkable beauty. Color is white, delicately shaded pink, with a clear yellow center. Equally well adapted for garden or forcing. Prepaid, each, 76c; dozen, \$7.50.

**LILY OF THE VALLEY**—Its favorite spot in the garden is some cool, shady place, in deep rich soil—not too heavy. The root should be set about ½-inch apart and about 2 inches deep. For house culture, put six to twelve crowns in a pot and place in the dark until rooted. Set the crowns an inch below the surface. Clump containing 1 dozen or more flowering pips. Prepaid, each, \$1.00.

## PEONIES

### Double Herbaceous Peony

Peonies, especially the modern introductions, are probably the most valuable and most beloved of all perennial plants. Planted in sun or semi-shade in single clumps or long beds, or bordering lawns, shrub rows and carriage drives, they give a grand display of large, fragrant blossoms of brilliant colors during June, followed by their exquisite foliage, which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds and are disappointing in the end.

**PLANTING**—Peonies may be planted in the spring or fall, but we advocate early planting wherever possible. Peonies respond to any care bestowed on them and they should be thoroughly mulched after planting, not only to help them in starting, but to prevent the ground from heaving. Plant them upright with the eyes about three inches under the ground. Too deep planting hinders their blooming. Once planted, do not disturb for several years, and then, only if necessary.

### Pink Varieties

**EDULIS SUPERBA**—This is one of our earliest varieties, usually coming into bloom on Decoration Day. Color is a bright clear mauve-pink, with silvery reflex. Flowers are of large size and very fragrant. Prepaid, each, 60c; dozen, \$5.00.

**FLORAL TREASURE**—7. 5. Pink. Large, full, globular rose type. Delicate pink with lavender tinge, shading lighter at center as flower ages. Fragrant. Flowers borne rigidly erect on strong, stiff stems, and in great numbers. Mid-season. Prepaid, each, 50c; dozen, \$5.00.

**HUMEI ROSEA**—Very large late-flowering cherry-rose. Prepaid, each, 50c; dozen, \$5.00; per 100, \$35.00.

### Red Varieties

**FELIX CROUSSE**—8.4. Bomb type; bright red; mid-season; good odor. Vigorous grower; spreading habit; blooms freely and in clusters. Most reliable red for this locality. This is one Peony that everyone should have. If you have not planted Felix Crousse, you have missed one of the greatest flowers. Prepaid, each, 75c; dozen, \$7.50.

**RICHARD CAIRNS**—Brilliant deep dark red; splendid grower, and produces an abundance of flowers. Prepaid, each, 50c; dozen, \$5.00.

**RUBRA SUPERBA**—7.2. Red. Rose type. Very late. A beautiful rich brilliant dark crimson. Without stamens. A large full double. Fragrant. One of the very best keepers of the late varieties. It is by all means the best late dark red, and every collection should have it. Rather a shy bloomer until the plants become well established. Prepaid, each, 75c; dozen, \$7.50.

### White Varieties

**FESTIVA MAXIMA**—9.3. Rose type; pure white with prominent crimson markings; very early, fragrant. Very sturdy, strong stems; blooming habit very dependable. Many do not hesitate to say that this is the finest white in existence. It is the most popular of all cut-flower Peonies. For seventy years a leader of them all. Prepaid, each, 75c; dozen, \$7.50.

**MADAME CROUSSE**—7.9. White. Very large, compact, finely formed flower. Snowy white with center petals edged with carmine. A good all-purpose flower. Mid-season. One of the best. Prepaid, each, 75c.

**MIXED COLORS**—Extra select named varieties only. Fine large roots. Prepaid, 35c; dozen, \$3.50; per 100, \$25.00.



Festiva Maxima



## HARDY PERENNIAL PLANTS

The demand for perennial plants is becoming greater every year. They demand so little attention, yet respond so well to any treatment, that they are rapidly gaining popularity. The plants we are offering are all selected, field-grown stock.



Bleeding Heart (See Dielytra)

### ACHILLEA

Free-flowering plants of easy culture for the mixed border, very suitable for cutting. Prepald, per plant, 25c; dozen, \$2.50.

### ANCHUSA (Italica Dropmore Variety)

One of the best hardy perennials; grows 3 to 5 feet high, and bears in abundance flowers of the richest gentian blue during May and June. Prepald, each, 25c; dozen, \$2.50.

### AQUILEGIA

**COLUMBINE**—The Columbines are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautifully divided foliage, and are highly prized for cutting. Prepald, per plant, 25c; dozen, \$2.50.

### HARDY ASTER CLIMAX

A wonderful new flowered light blue Hardy Aster. Without question the most showy of all. These plants will give perfect satisfaction the first year. Prepald, each, 25c; dozen, \$2.50.

### BOLTONIA

A heavy, fall-blooming plant, growing 5 to 6 feet in height. They produce hundreds of aster-like blooms late in the season. White. Prepald, each, 25c; dozen, \$2.50.

### BOCCONIA

**CORDATA (Plume Poppy)**—Five feet. A handsome border plant, having large lobed heart-shaped leaves with silvery undersurface, and flower plumes of a pretty cream color. Prepald, each, 25c; dozen, \$2.50.

### CANTERBURY BELLS

The old-fashioned sort, with beautiful large bell-shaped blossoms. Mixed. Prepald, each, 25c; dozen, \$2.50.



Shasta Daisy

### COREOPSIS (Tickseed)

**LANCEOLATA**—Two feet. Large orange-yellow flowers, much prized for cutting. June to October. Prepald, each, 25c; dozen, \$2.50.

### CHRYSANTHEMUMS

**CLUMPS**—The fragrant, old-fashioned kind that you have seen along the farm house and in the old-fashioned garden.

**Autumn Glow**—Rose crimson large.

**Excelsior**—Bright orange yellow; very free. Large.

**Field of Snow**—Pure white button.

**Golden Queen**—Yellow, large.

**Ladysmith**—Earliest, deep rose pink.

**Mary Richardson**—Reddish-salmon, beautiful and distinct, large.

**Romaine Warren**—A distinct variety, with handsome sprays which reveal each flower individually. Color orange yellow and light bronze, completing with a dark orange center.

**Red Button, Skibo**—Showy, golden button Pompon.

**Victory**—White, large.

Any of the above, prepald, each, 25c; dozen, \$2.50.

### SHASTA DAISY (Alaska)

A splendid variety of daisy that bears flowers rarely less than 4 inches across. Pure white in color. Petals are broad and overlap and are borne on long stems. Excellent for cutting, as they last over a week in water. Prepald, each, 25c; dozen, \$2.50.



Delphinium

### DELPHINIUM

**BELLADONNA**—The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise blue of its flowers is not equaled for delicacy and beauty by any other flower. Prepald, each, 25c; dozen, \$2.50.

**BELLAMOSUM**—This is a dark blue form of the popular light blue Belladonna, with which it is identical in habit of growth, freedom of bloom and other good qualities, but with intensely rich, deep blue flowers. Prepald, each, 25c; dozen, \$2.50.

**FORMOSUM**—The old favorite dark blue with white center; 3 to 4 feet high. Very vigorous, free-flowering, and one of the best. Prepald, each, 25c; dozen, \$2.50.

### DIELYTRA

**BLEEDING HEART**—One of the most beautiful hardy border plants. Flowers in early spring with rose-colored heart-shaped flowers on under side of stem. Perfectly hardy. Prepald, per plant, 75c.

### DIGITALIS

**GLOXINIAEFLORA**—An old-fashioned plant that furnishes a grand display of thimble-shaped flowers in immense spikes during July and August. Assorted. Prepald, per plant, 25c; dozen, \$2.50.



## HARDY PERENNIAL PLANTS—(Continued)



Iris

### FUNKIA (Plantain Lily)

**LANCEOLATA**—Large thick, spoon-shaped leaves, rigidly formal; color a conspicuous blue-green, densely pitted. Flower pale lilac, on medium-sized spikes. Prepaid, each, 25c; dozen, \$2.50.

**SUB-CORDATA** (Day Lily)—Wide circles of broad leaves. Flowers large, waxy white, borne in large trusses. Very fragrant. Prepaid, each, 25c; dozen, \$2.50.

### GAILLARDIA

**GRANDIFLORA COMPACTA**—Is a very satisfactory hardy plant; begins to bloom in early summer and blooms until frost; brownish red center; petals shaded into rings of orange, crimson, and red. Long stems, fine for cutting; perfectly hardy. Prepaid, per plant, 25c; dozen, \$2.50.

### GYPSOPHELIA PANICULATA (Baby's Breath)

Two to three feet high. Produces wealth of small, lacy white blossoms during August and September. Easily grown and needs little care. Requires a sunny location. It is unexcelled for use with cut flowers. Prepaid, each, 25c; dozen, \$2.50.

### HIBISCUS MALLOW MARVELS

The colorings comprise rich dark red, soft mallow-pink and pure white; the plants grow from 5 to 8 feet high, blooming from early in June till late in autumn, and are perfectly hardy. Prepaid, each, 25c; dozen, \$2.50.

### HOLLYHOCK

For planting among shrubbery or forming a background for other flowers it has no equal. The Hollyhock requires a deeply dug, well-drained soil. Double white, double yellow, double maroon, double rose, double red, double mixed. Prepaid, per plant, 25c; dozen, \$2.50.

### HARDY IRIS (Fleur de Lis)

**GERMAN IRIS**—Named varieties. Prepaid, each, 25c; per dozen, \$2.50; per 100, \$15.00.

**JAPANESE IRIS**—Named varieties. Prepaid, each, 40c; per dozen, \$4.00; per 100, \$25.00.

**SIBERIAN IRIS**—Named varieties. Prepaid, each, 10c; per dozen, \$1.00; per 100, \$6.00.

### PAPAEVER

**ORIENTALE**—The brilliant "Oriental Poppy" with immense, flaming flowers of orange-scarlet. These impressive

color blotches are supreme among the prevailing greens of early spring. Prepaid, each, 35c; dozen, \$3.50.

### PHLOX

No plants of the hardy perennial class are of more importance than the Phloxes. They may be used as borders or massed together, but still with the same pleasing effect as to make the Hardy Phlox a necessity to every hardy garden.

**ANTOINE MERCIÉ**—Soft rosy lilac.

**BRIDESMAID**—Pure white, with large crimson-carmine eye.

**COQUELICOT**—A fine scarlet with deep red eye

**ECLAIREUR**—Bright carmine with light halo, large flower.

**ELIZABETH CAMPBELL**—Bright salmon-pink with lighter shadings and dark crimson eye. There is no better pink Phlox and few as large. Prepaid, each, 45c; dozen, \$4.50.

**EUROPA**—White, large red center, extra size truss.

**JEANNE D'ARC**—A good late-flowering pure white.

**MISS LINGARD**—This grand white variety is the best Phlox in cultivation; it grows about 2 feet high, and starts to bloom in May, continuing to flower until late in October.

**PANTHEON**—Bright carmine red, very effective.

**PEACH BLOSSOM**—Delicate pink. Prepaid, each, 35c; dozen, \$3.50.

**RYNSTROOM**—Lively rose-pink.

Except where noted, prepaid, each, 25c; dozen, \$2.50.

### PENTSTEMON

**BARBATUS TORREYI** (Scarlet Beard Tongue)—Close-set spikes of small brilliant scarlet flowers; July and August. The flower stems shoot straight up from the ground 3 to 4 feet, and are brightly attractive as they nod and sway above surrounding plantings. Prepaid, each, 25c; dozen, \$2.50.

### MYOSOTIS (Forget-Me-Not)

**PALUSTRIS SEMPERFLORENS**—A variety that is hardly ever out of flower; useful in a shady spot in the border. Prepaid, each, 25c; dozen, \$2.50.

### PLATYCODON GRANDIFLORUM (Balloon Flower or Japanese Bell Flower)

The Platycodon are closely allied to the Campanula and form neat, branched bushes of upright habit, 2 to 2½ feet high, producing their attractive blue or white flowers from July to October, deservedly one of the most popular hardy plants. Blue, prepaid, each, 25c; dozen, \$2.50.

### HEMEROCALLIS

**FLAVA** (Lemon Lily)—Crowned by beautiful lemon-colored flowers, 3 to 4 inches in diameter and delightfully fragrant. May and June. Prepaid, each, 25c; dozen, \$2.50.

### PHYSOSTEGIA (False Dragon Head)

One of the most beautiful of our midsummer flowering perennials, forming dense bushes 4 to 6 feet high, bearing spikes of delicate tubular flowers.

**Virginica**—Bright, but soft pink. Prepaid, each, 25c; dozen, \$2.50.

### GARDEN PINKS (Dianthus)

Old favorites, bearing their sweet, clove-scented flowers in the greatest profusion during May and June. They are indispensable for the edge of the hardy border and for cutting. 1 foot. Prepaid, each, 25c; dozen, \$2.50.



Hardy Garden Pinks



## HARDY PERENNIAL PLANTS—(Continued)

### RUDBECKIA

**GOLDEN GLOW**—Grows 5 to 7 feet and blooms from early summer until frost. Flowers resemble golden-yellow cactus dahlias. Prepaid, each, 15c; dozen, \$1.50.

### SALVIA (Meadow Sage)

**AZUREA**—A Rocky Mountain species; grows 3 to 4 feet high, producing during August and September pretty sky-blue flowers in the greatest profusion. Prepaid, each, 25c; dozen, \$2.50.

### STATICE (Great Sea Lavender)

**LATIFOLIA**—Large Spreading panicles of light, graceful deep blue flowers, much prized for winter decoration dried. Prepaid, each, 25c; dozen \$2.50.

### SWEET WILLIAM (Dianthus Barbatius)

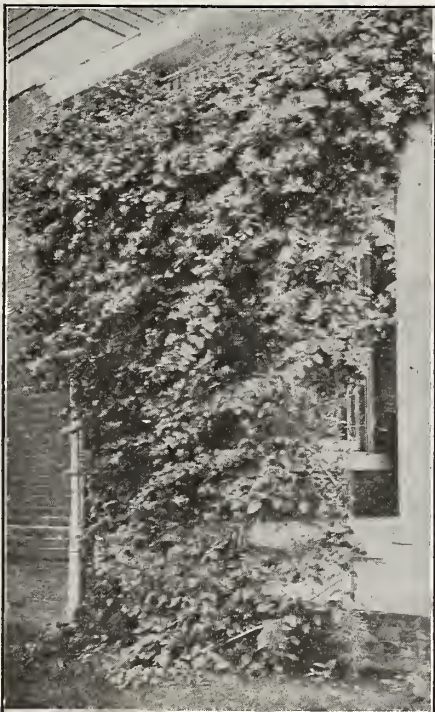
A well-known attractive free-flowering hardy perennial, producing in early summer a splendid effect in beds and borders, with their rich and varied flowers. We can supply the following, all grown from our own select strain of seed. Mixed colors. Prepaid, each, 25c; dozen, \$2.50.

### THALICTRUM

**DIPTEROCARPUM** (Meadow Rue)—A graceful border plant, growing about 4 feet high, with pretty, fine-cut foliage and a profusion of flower sprays during August and September. Color, lilac-mauve, brightened by a bunch of lemon yellow stamens and anthers. Prepaid, each, 25c; dozen, \$2.50.

### TRITOMA (Red-hot Poker, Flame Flower, or Torch Lily)

**PFITZERII**—(The Everblooming Flame Flower)—The early free and continuous blooming qualities of this variety has made it one of the great bedding plants. Succeeds in any ordinary garden soil, but responds quickly to liberal treatment; hardy if given protection, but the most satisfactory method of wintering is to bury the roots in sand in a cool cellar. In bloom from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses. Prepaid, each, 25c; dozen, \$2.50.



Clematis Paniculata



Wistaria

### GARDEN HELIOTROPE

**VALERINA COCCINEA**—Showy heads of reddish pink flowers in long, upright, dense panicles. These are excellent for bouquets, as well as for edging. June to October. 2 feet. Prepaid, each, 20c; dozen \$2.00.

### VERONICA (Speedwell)

**SPICATA**—Long spikes of bright blue flowers. 2 feet. July and August. Prepaid, each, 25c; dozen, \$2.50.

### HARDY VIOLETS

The varieties listed below are not suited for forcing under glass; they are perfectly hardy, and when grown in the open border are covered with flowers in early spring. Prepaid, each, 25c; dozen, \$2.50.

### Hardy Climbing Vines

#### AMPELOPSIS VEITCHII (Boston Ivy)

One of the finest climbers for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping foliage. Prepaid, each, 50c.

#### BIGNONIA GRANDIFLORA

##### (Trumpet Vine)

Clings to bark or walls; fern-like foliage, orange-scarlet; trumpet-shaped flowers. Prepaid, each, 50c; dozen, \$5.00.

#### CLEMATIS

**JACKMANNI**—Probably the most beautiful climber in cultivation, with rich, deep, velvety purple flowers. Two-year-old roots, prepaid, each, \$1.00; dozen, \$10.00.

**PANICULATA**—This is a valuable Japanese introduction; one of the finest additions to our list of hardy climbers; a very strong, vigorous plant and as easily grown as the common. Prepaid, each, 50c; dozen, \$5.00.

#### CHINESE WISTARIA

Beautiful climber of rapid growth, producing long, pendulous clusters of pale purple flowers, is very hardy. Prepaid, each, 75c; dozen, \$7.50.

#### CHINESE KUDZU VINE

##### (Jack and the Bean Stalk Vine)

A vine that will grow and flourish where nothing else will. Invaluable for covering fences, porches, old dead trees. Its large, bright green leaves afford a dense shade. It is hardy and will last for many years. Prepaid, each, 50c; dozen, \$5.00.

#### HONEYSUCKLE (Halleana)

White, sweet-scented. Prepaid, each, 50c; dozen, \$5.00.



## HYBRID TEA ROSES

### Field Grown

ROSES may be grown in any open, sunny position, if possible sheltered from north winds and clear of all roots and shrubs. The best soil for roses is sod from an old pasture and well-rotted cow manure. Dig the bed deep, and, if drainage is imperfect, it must be provided for, as Roses will not do well unless the ground is well drained. Spring is the best time for planting. Throughout the summer the surface of the soil should be cultivated weekly. The Tea and Hybrid Tea varieties can be set 18 inches apart and the Hybrid Perpetual varieties, 2 feet apart.

All our roses are selected heavy caned stock that is grown in the fields for two years. It is taken up in the fall, carefully potted and placed in cold frames at the end of the second season. Artificial heat has never been applied to it in any way, and the stock is far superior in cold resistance and ruggedness than such stock as is started and grown under glass. When this stock is delivered to you it will be already growing; consequently the long and often hazardous wait necessary with absolutely dormant stock is done away with. We have found that by handling stock of this kind that we can protect our customers from obtaining stock that has been killed by having the roots exposed for too long a time.

**CAROLINE TESTOUT**—One of the most popular and valuable bedding varieties, large, full, globular flowers of bright satiny rose, with brighter center; very free and fragrant.

**COLUMBIA**—It is of strong-vigorous habit of growth and exceptionally free-blooming. The flowers, which are of good size, are perfect in form, both in bud and when fully expanded. In color it is a mose pleasing shade of rose-pink and delightfully fragrant.

**GRUSS an TEPLITZ**—This is a rose for everybody, succeeding under the most ordinary conditions. In color it is



Radiance



Kaiserin Augusta Victoria

of the richest scarlet, shading to a velvety crimson; very fragrant; a free, strong grower and in bloom all the time.

**JONKHEER J. L. MOCK**—The flowers are extra large and of more than ordinary beauty. The bright cherry-red on the outside of the broad petals and the shining silvery white on the inside make a double-colored bloom. Fine autumn bloomer and a favorite with all rose-lovers.

**KAISERIN AUGUSTA VICTORIA**—As hardy as any of the Hybrid Tea Roses, and blooms from early spring until late frosts; fully as free-blooming as any Tea Rose. Color, delicate creamy white; large, full double flowers and very fragrant. The buds very long and pointed and the blooms are large and of a lovely flesh color, shaded white and suffused pale pink; delicately perfumed. Vigorous grower; very free bloomer.

**KILLARNEY**—It has all the good qualities demanded in a rose. The buds are very long and pointed and the blooms are large and of lovely flesh-color, shaded white and suffused pale pink; deliciously perfumed. Vigorous grower; very free bloomer.

**LOS ANGELES**—Los Angeles is, by all odds, one of the finest Roses ever introduced. The growth is very vigorous, and produces a continuous succession of long-stemmed flowers of a luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals.

**MRS. AARON WARD**—A remarkably floriferous variety of strong, vigorous, but compact growth; the flowers, which are of splendid form, full double, are equally attractive when full blown as in the bud state; in color a distinct Indian yellow, shading lighter towards the edges.

**OPHELIA**—The blooms are large in size, full in form, and of very attractive appearance. The color is light salmon-pink-flesh, shading to yellow at the base of the petals.

**RADIANCE**—An ideal bedding Rose of American origin that continues to produce its large flowers throughout the most unfavorable summer weather when frequently many other varieties fail; in color a brilliant carmine-pink, with salmon-pink and yellow shadings at the base of the petals; truly a rose for every garden.

**RED RADIANCE**—A counterpart of Radiance, except in color, which is a clear cerise-red, a most valuable addition to our list of bedding Roses.

**SUNBURST**—A truly great Rose, which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, being a rich copper yellow of good size and form. Is a strong grower, and, having long, strong stems, is very fine for cut flowers.

#### PRICE

Strong plants of any of the above, prepaid, each, \$1.00; dozen, \$10.00.



## HYBRID PERPETUAL ROSES

**AMERICAN BEAUTY**—The largest, sweetest and best of all hardy Roses; a genuine hardy ever-blooming Rose color, rich crimson; its fragrance is wonderfully sweet.

**FRAU KARL DRUSKII**—A counterpart of the Red American Beauty, except in color; perfectly hardy everywhere; pure paper white, with bright, heavy foliage and strong growth. The bloom is perfect in form, on long stem.

**GENERAL JAQUEMINOT**—Rich velvet crimson, changing to scarlet-crimson. A magnificent rose and well-known.

**PAUL NEYRON**—The largest flowers in cultivation and one of the most prolific bloomers; color, deep, clear rose, very fresh and attractive. The plant is an exceptionally good grower, making straight shoots 4 to 5 feet high in one season, and each shoot tipped with an immense flower, often 5 inches in diameter.

### PRICE

Strong plants of any of the above, prepaid, each, \$1.00; dozen, \$10.00.

## HARDY CLIMBING OR RAMBLER ROSES

Since the introduction of the Crimson Rambler, in 1894, this class of Roses has continued to gain in popularity. Many splendid new varieties, both in single and double-flowering forms, have been added during the past years.

### AMERICAN PILAR

A climber of vigorous habit. The enormous single flowers, sometimes measuring 3 inches across, are borne in large clusters and are produced with the greatest freedom, fairly covering the bush. Color is a delightful shade of rose-pink. Broad, glossy, deep green foliage. In the fall the flowers are followed by clusters of red berries. Prepaid, each, \$1.00; dozen, \$10.00.

### CLIMBING AMERICAN BEAUTY

A new rose of great merit. A cross between American Beauty and an unnamed seedling; color a rosy crimson, similar to its popular parent, and with the same exquisite fragrance, a quality rarely found in climbing Roses. The plant is of strong habit of growth, making shoots from 10 to 15 feet in one season, and as hardy as an oak. The flowers are from 3 to 4 inches in diameter, of fine form, and are produced in great profusion, not only in May and June, but there is a fair sprinkling of flowers throughout the growing season. Prepaid, each, \$1.00; dozen, \$10.00.

### CRIMSON RAMBLER

The Crimson Rambler is the most popular of the Rambler varieties. It begins to flower about the middle of June and remains in flower longer than any other hardy outdoor Rose. It blooms in large cluster, with from 50 to 100 in a cluster, covering the vine its entire length with a solid mass of the most beautiful and perfectly shaped miniature crimson blossoms. It is vigorous in growth, often making shoots 10 to 12 feet long in one season. May be grown in any position. Pegged down to the ground in beds, trained to porch pillars, the side of a building, or on trellises. Prepaid, each, 75c; dozen, \$7.50.



Gruss an Teplitz



Dr. V. Van Fleet

### DOROTHY PERKINS

Properly classed as a climbing Rose; sweet-scented, hardy and vigorous; a profuse bloomer; flowers double, bloom in clusters of from six to ten, with crinkled petals; buds pointed. Color, a beautiful shell pink, lasting a long time without fading. Prepaid, each, 75c; dozen, \$7.50.

### EVERBLOOMING CRIMSON RAMBLER (Flower of Fairfield)

A sport from the famous Crimson Ramblers, same climbing habits and hardiness. Has immense trusses of bloom similar in color, but more brilliant and lasting. It blooms profusely on the young wood in its first year. It starts blooming in early spring and continues to bloom until late in the autumn. It is rightly termed perpetual bloomer. Prepaid, each, \$1.00; dozen, \$10.00.

### TAUSENDSCHON

Entirely distinct, not only in Ramblers, but in climbing Roses generally. The individual flowers are very large for this type of Rose, being fully 3 inches across and of a most elegant and graceful form, not stuff or unnatural, but as beautiful as a semi-double Azalea. In color it is a most delightful shade of soft pink when first opening, changing to carmine on the reverse of petals when fully expanded. These are produced in trusses of from ten to fifteen flowers, each truss a veritable bouquet. Prepaid, each, \$1.00; dozen, \$10.00.

### DR. V. VAN FLEET

A Rose which, on account of its dainty color and exquisitely shaped buds and flowers, has become a great favorite. The long pointed buds are of a rich flesh-pink on stems 12 to 18 inches long; splendid for cutting. Prepaid, each, \$1.00; dozen, \$10.00.

### PAUL'S SCARLET CLIMBER

This new climbing Rose is undoubtedly the most brilliant addition to Roses in many years. It is a vivid scarlet, shaded with bright crimson, and does not burn or fade until petals fall. Prepaid, each, 75c; dozen, \$10.00.

### SILVER MOON

Four to five-inch semi-double flowers; pure white with thick clusters of yellow stamens. Prepaid, each, \$1.00; dozen, \$10.00.





## HARDY ORNAMENTAL SHRUBS

The planting of shrubs and shade trees adds to the beauty of the home surroundings, whether city residence or country home. The effect produced in future years should not be lost sight of by anyone desiring to increase the value of property.

All shrubs offered below are two or more years old, transplanted. Prices are f. o. b. at express office, Kansas City, Mo., but not prepaid.

### BARBERRY (Thunbergiana)

Dwarf, neat, and dense of growth, yet graceful because of its drooping branches. Yellow flowers are followed by vivid scarlet fruits, the foliage changing in fall to scarlet and gold. Prepaid, each, 75c.

### BUDDLEYA

#### (Butterfly Bush or Summer Lilac)

VARIABILIS VEITCHIANA—A medium-size shrub, producing long, lilac-like blooms from twenty to thirty inches long. It requires some protection during the winter months. Pale lilac. Two-year stock. Prepaid, each, \$1.00.

### CALYCANTHUS

#### (Sweet Scented or Allspice)

A handsome shrub; with an exquisite purple flower and fragrance wood. Prepaid, each, 60c.

### DEUTZIA (Pride of Rochester)

Early spring flowering shrub, with long, graceful spikes of white flowers from every bud or eye; handsome lawn shrub. Prepaid, each, 75c.

### DESMODIUM

A nice shrub; flowers in September; has sweet pea-shaped flowers; rose and white. Prepaid, each, 75c.

### FORSYTHIA (Viridissima)

Graceful drooping plant, with bright yellow sprays of flowers. Prepaid, each, 50c.

### HYDRANGEA PANICULATA

GRANDIFLORA—Blooms profusely from July until frost, in immense white panicles, often measuring ten to twelve inches, gradually changing to rose color. Prepaid, each, 75c.

ARBORESCENS GRANDIFLORA—Comparatively an unknown variety that was found growing wild in the woods on the Ohio River that deserves attention. It is dwarf in habit, growing about 3 feet in height at maturity. Is perfectly hardy and grows best in a shady place. It produces panicles of white snowball-like blossoms from May until September. Two-year. Two to three feet. Prepaid, each, \$1.00.

### ALMOND, FLOWERING

PRUNUS SINENSIS—An old favorite; blooms early in the spring before the leaves appear; very attractive in borders and foundation plantings; in two colors, either pink or white. Valuable because of its early flowering period. Prepaid, each, \$1.00.

### LILAC, PERSIAN

SYRINGA PERSICA—A graceful shrub with finely cut foliage and delicate lavender blossoms. Blooms are not so large as the Common Purple, but it is a more graceful shrub. Prepaid, each, \$1.00.

### BUSH HONEYSUCKLE

LONICERA—A beautiful shrub of upright habit, producing a wealth of blooms during May, which are followed by vari-colored fruits. The foliage is a clear, glossy green and admirably adapted to screen purposes. Pink and red. Three to four feet. Prepaid, each, 75c.

### PHILADELPHUS

#### (Syringa or Mock Orange)

Vigorous growing shrubs, with fine pure white flowers and bright, handsome foliage. Prepaid, each, 75c.

### PLICATUM (Japan Snowball)

Used extensively for decorating. Flowers pure white, large balls, frequently borne in clusters of five or six. Prepaid, each, 75c.

### WEIGELA

Beautiful shrubs, bloom June and July; very desirable for border or grouping. Double white and double pink. Prepaid, each, 75c.

### SPIREAS

ANTHONY WATERER—A valuable and distinct variety color bright crimson. It is of dwarf, dense growth, never exceeding thirty inches in height; in bloom the entire summer and fall. Prepaid, each, 75c.

THUNBERGII—One of the most charming of all low-growing shrubs, with fine delicate foliage and a profusion of small white flowers in spring. Prepaid, each, 75c.

VAN HOUTTEI—The grandest of all the white Spireas. It is of compact habit and a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of twenty to thirty white florets make up the raceme, and are set close along the drooping stems. Prepaid, each, 75c.

### HEDGE PLANTS

CALIFORNIA PRIVET (Amoor River)—The great hedging plant, conceded the best plant for hedging purposes. Remarkable for the beauty of its evergreen foliage and strong, regular, symmetrical growth. Foliage dark green, very glossy and wax-like; hardy everywhere. Better than Box-wood. Large plants, two years old, prepaid, each, 15c; dozen, \$1.50.



## BERRIES AND SMALL FRUITS

### GRAPES

Two-year-old. Prepaid, each, 25c; per dozen, \$2.50.

**CONCORD (Black)**—Too well known to need much description; is considered by many to be the best all-round grape grown; is extremely hardy, vigorous and productive; bunches large, compact; berries large and juicy, buttery and sweet; will succeed well almost anywhere.

**BRIGHTON (Red)**—Bunch medium to large, quite compact, fresh, rich, sweet and best quality; color, dark crimson or brownish red; vine vigorous and hardy.

**MOORE'S EARLY (Black)**—Bunch large, berry round, with a heavy blue bloom; quality said to be better than Concord; hardy and prolific; a good market berry; ripens about two weeks before Concord.

**NIAGARA (White)**—One of the leading white sorts; bunch large, shouldered, compact; berry large, yellowish-white, juicy, vinous and sprightly, quality good; skin tough, making it a good shipper and market berry.

### STRAWBERRIES

**CULTURE**—To produce large fruit, keep in hills, pinching runners as soon as they appear. In the winter a covering of straw or leaves will protect the plants. Do not cover them, however, until the ground is frozen, and then not so deep as to smother them. Remove covering before growth starts in the spring. Plant in rows, 3 to 3½ feet apart, 15 to 18 inches in a row. Dip plants in water as soon as received, and bury the roots in moist, shady ground until you are ready to set them out; neglect an hour or so is often fatal. Packed 25 to the bunch. Per bunch, prepaid, 40c; per 100 plants, \$1.25; per 1,000 plants, \$7.50.

**SENATOR DUNLAP**—A vigorous growing plant, yielding large quantities of solid, regular-formed, bright red berries.



Senator Dunlap



Concord Grapes

A splendid keeper; excellent for canning and is extensively used by shippers. (Perfect flower.)

**AROMA**—An early strawberry that is used largely by growers who do not desire to try the less dependable varieties. Has an excellent flavor, is of medium size, and solid in texture. A fine variety for shipping. (Perfect flower.)

**KELLOGG'S PRIZE**—A recently introduced variety that has rapidly gained popularity because of its heavy bearing qualities. Berries are of large size, good coloring, and excellent quality. (Perfect flower.)

### Everbearing

**PROGRESSIVE**—A fall-bearing strawberry of good size and excellent quality. Its color is a bright, rich red. The plants are strong growers, and spread rapidly. Probably used most extensively for fall crops of any of the ever-bearing varieties. (Perfect flower.) Prepaid, per bunch, 75c; per 100 plants, \$2.00; per 1,000 plants, \$15.00.

### GOOSEBERRIES (Two-Year-Old)

Prepaid, each, 35c; per dozen, \$3.50

**GOOSEBERRIES**—Plant in good, rich soil and give a liberal dressing of manure every season. Regular pruning every year is essential for the production of fine fruit.

**DOWNING**—Large, handsome, pale green and of a splendid quality for both cooking and table use; bush a vigorous grower and usually free from mildew.

**HOUGHTON'S**—Small to medium; round, oval; pale red, sweet, tender, very good; plants spreading; shoots slender, enormously productive.

### CURRENTS

Two-year-old. Prepaid, each, 35c; per dozen, \$3.50

**LARGE CHERRY**—The largest of all red currants. Berries sometimes measure half-inch in diameter. Bushes are short and very vigorous grower. Best variety for the home garden.

Ask for prices on all varieties of fruit trees



# HARDEN'S FIELD AND PASTURE GRASSES

SEE LAST PAGE FOR HARNDEN'S SPECIAL LAWN GRASSES

## ASK FOR FARMERS' SPECIAL PINK LIST ON FARM SEEDS

**KENTUCKY BLUE GRASS** (*Poa-Pratensis*)—Among all the grasses for pastures, meadows, ball grounds, golf links, lawns, polo grounds and all school and public grounds, the Kentucky Blue Grass ranks first; it is the Great American Grass. The farmer knows its good qualities and the city people know that there is nothing more beautiful than a well kept blue grass lawn. It can be sown either in the spring or fall. Sow 25 to 30 pounds per acre for meadows and pasture, 50 to 75 pounds per acre for lawns. Prepaid, per lb., 45c; 10-lb. lots, per lb., 40c.

**ORCHARD GRASS**—A valuable hay and pasture grass. This is one of the best grasses for upland, loamy or moderately stiff soils. In fact no other grass except Red Top or Herds will succeed on so many different kinds of soil. Swampy or marshy land is the only kind on which it will not grow. Orchard grass should be cut for hay when in blossom. If harvesting is postponed after this stage is reached, the grass becomes woody and is not relished by stock.

As Orchard Grass matures about the same time as Red Clover, it is advisable to sow these two together. 20 lbs. of orchard grass and 6 lbs. of Red Clover make an ideal hay combination; when sown alone, 2 bus. to the acre. Prepaid, per lb. 30c; 10-lb. lots, per lb., 25c.

**MEADOW FESCUE, OR ENGLISH BLUE GRASS** (*Festuca Pratensis*)—A permanent pasture grass; grows from 2 to 3 feet high and is the earliest and most nutritious of grasses; makes excellent hay, and cattle will thrive on it. It grows better in poor soil than any other grass. The roots grow from 12 to 15 inches under the ground. It can stand extremely dry weather; also will stand more freezing than any other variety. Sow 15 to 20 pounds per acre. Prepaid, per lb., 25c; 10-lb. lots, 20c.

**TIMOTHY** (*Phleum Pratense*)—Timothy in this section of the country is used more extensively for hay than any other grass. It is relished by all kinds of stock, especially horses, and yields more nutritious matter than any other grass. Farmers in this country know its qualities and in a great many instances sow it with Alsike, or Red Clover. When

used alone sow 15 pounds to the acre; when used with Clover, sow 7 to 9 pounds of Timothy and from 5 to 8 pounds of Clover. Prepaid, per lb., 15c; 10-lb. lots, per lb., 12c.

**ITALIAN RYE GRASS** (*Lolium Italicum*)—A quick growing grass and is often used as a nurse crop for Kentucky Blue Grass and in lawn mixtures. Will make a quick showing and is used where something green is wanted in a hurry; it is of no use for permanent pastures, as it lasts only two years. Sow 35 to 40 pounds per acre. Prepaid, per lb., 30c; 10 lbs., \$2.50.

**PERENNIAL ENGLISH RYE** (*Lolium Perenne*)—A hardy rye grass which grows well on clay soil and withstands drought reasonably well; grows quick and is a good pasture grass. This has been used by the Kansas City Park Board for large plats where the soil is not good and has given good satisfaction, making a good sod. White clover is sometimes used with this when for lawn purposes. For pasture sow 25 to 30 pounds to the acre, for lawns 50 to 60 pounds to the acre. Prepaid, per lb., 30c; 10 lbs., \$2.50.

**FANCY RED TOP** (*Agrostis Vulgaris*)—A grass particularly adapted for wet soils and for ground that washes. It is often sown with Alsike clover, which together make a good hay. Is quicker to start than any other grass and on moist soil will grow about 2 feet high, and on gravelly or poor soil 1 foot high. If used for pasture should be fed close, as after it has gone to seed cattle will refuse it. It is also used for terraces and patches in lawns, where blue grass will not grow. Sow from 15 to 20 pounds to the acre. Prepaid, per lb., 35c; 10 lbs., \$3.00.

**BERMUDA GRASS** (*Cynodon Dactylon*)—This is the standard grass of the South and is used in Oklahoma, Texas and other Southern states for both pasture and hay crop. Is also used for lawn purposes, as it runs over the ground rapidly, forming a dense turf; will not stand cold weather and is not used north of the southern boundary of Kansas, but is a drought resister and will stand all kinds of hot and dry weather. Sow 3 to 5 pounds per acre. Prepaid, per lb., 60c; 10-lb lots, per lb., 50c.

**ALSIKE AND TIMOTHY MIXTURE**—This seed has been grown mixed, and cannot be separated. We have purchased this mixture for less money than we could have separated seed, and can therefore sell it for less. Those desiring to sow Alsike and Timothy together therefore can save money by buying this mixture. It is, we believe, the cheapest Clover and Grass Seed Mixture you can buy. Alsike and Timothy make an excellent combination for hay and pasture; they are adapted to the same kinds of soil and mature together; they will do well on most any land where other grasses and clover grow, but give the best results on moist lands. Both varieties are perennials, are very hardy, do not winter kill, and when once established, they will live for years. This mixture is of the highest feeding value for stock. Sow at the rate of 10 to 12 lbs. of seed per acre. It can be sown alone or with small grain in the spring or fall. Prepaid, per lb., 16c; 10-lb. lots, per lb., 14c.



Alsike and Timothy



## ASK FOR FARMERS' SPECIAL PINK LIST ON FARM SEEDS

### CLOVERS

**K. C. BRAND CLOVERS** are of the Highest Quality, Well Cleaned and Tested.

**ALSIKE, OR SWEDISH CLOVER**—This is one of the hardiest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. When sown with other grasses, it forms thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is finer and more leafy than Medium Red Clover although it does not grow so high. It is very fine for honey bees, and cattle prefer it to other clovers. Sow 5 to 8 pounds to the acre. Prepaid, per lb., 35c; 5-lb. lots, per lb., 30c.

**WHITE BLOSSOM SWEET CLOVER** (Biennial)—The White Blossom variety is the one most generally used, and is the type most valuable as a soil restorer and general purpose crop. It is a very rank grower, which makes it especially valuable for plowing under as a green manure crop, and it is also a very heavy nitrogen builder.

When used as a pasture crop, the stock, should be turned in on it while it is young and tender, and at this stage it is very palatable to all live stock, and a longing taste is acquired for it.

No other crop will add as much fertility to the soil. As a feed crop it ranks on a par with alfalfa. As a hay crop it will yield more per acre than other types, and is conceded to be the most desirable under average conditions. Prepaid, per lb., 25c; 10-lb. lots, per lb., 20c.

**WHITE DUTCH CLOVER**—This hardy species of Perennial Clover is prostrate and creeping in habit. The stems lying on the ground take root freely at the nodes, from which may arise independent plants. While White Dutch Clover is used principally for lawns a small proportion in permanent pasture often fills up many a bare spot and produces valuable grazing for all kinds of live stock. It is very hardy and will thrive on almost any soil. Best growth is obtained, however, on moist well-drained soil. Prepaid, per lb., 75c; 10-lb. lots, per lb., 70c.

Inoculate this  
seed with  
**NITRAGIN.**  
See Page 72



**MEDIUM RED CLOVER**—This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-round variety for farmers and stockmen. It makes two crops each year. The first is usually out when it is in blossom for hay; the last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. Will grow in most any soil, makes excellent hay. Sow from 8 to 10 pounds per acre. Prepaid, per lb., 35c; 5-lb. lots, per lb., 30c.

### HUBAM CLOVER

**ANNUAL WHITE SWEET CLOVER**—Hubam Clover is an annual which makes seed and dies the year it is seeded. Hubam Clover will outgrow and overcome the annual weeds and, therefore, can be sowed and successfully grown broadcast. It grows slowly at first, and therefore, would be easily killed in case it came up a volunteer crop where you wanted to use some other crop.

The question has often been asked wherein is Hubam different from biennial White Sweet Clover. Hubam Clover makes its full growth, blooms, sets a seed crop and dies the same year it is seeded. The biennial White Sweet Clover makes a strong root growth the first year, but makes its main growth, blooms, sets a seed crop and dies the second year. Hubam Clover and the biennial White Sweet Clover are quite similar for a period of about two months from seeding. At the end of this period the Hubam begins to grow very rapidly. As soon as it begins to bloom it sends out longer branches and soon begins to lose its leaves just as the biennial does in the second year of growth. Hubam Clover is also more upright in its early stages of growth than the biennial. Although valuable as a honey plant its chief merit lies in the potential value as a soil restorer when used as green manure following small grain to be plowed under the same year that it is seeded. Prepaid, per lb., 50c; 10-lb. lots, per lb., 45c.



Hubam Clover



ASK FOR FARMERS' SPECIAL PINK LIST ON FARM SEEDS

# ALFALFA



Alfalfa

K. C. BRAND { Kansas-Grown  
Thoroughly Cleaned and Tested

**KANSAS-GROWN-ALFALFA**—Alfalfa will produce 4 to 6 tons of hay to the acre each year, and in money value is worth 45 per cent more than other clovers and 60 per cent more than Timothy hay. It will grow 4 or 5 crops a year and it does not exhaust the soil. Its long, branching roots penetrate far down, 15 to 20 feet, and so loosen the subsoil that it is a gigantic subsoiler, resists drought and gets plant food where other crops would be a failure. When the plants are destroyed in order to raise other crops on Alfalfa land, the large roots decay and produce a vast source of fertility to be used by following crops.

In the Southeastern section of the United States, until recently, stands of alfalfa have not been of a uniform success. Much of the failure has been due to lack of knowledge in regard to preparation of soil, selection of seed, failure to inoculate, time of seeding, etc. There is not a state in the Union in which alfalfa will not grow.

**PREPARATION OF SOIL**—Good loam or clay soil with natural or artificial drainage, with no hardpan underneath, will grow Alfalfa when properly prepared, and proper and thorough preparation is a prime necessity for a uniform heavy stand. Where the soil is acid, and that is the case in most instances, liming is necessary. Lime must be used to not only neutralize the acid in the soil, but leave a surplus besides, for the use of the plant. Prepaid, per lb., 35c; 10 lbs., \$3.00.

## WHY INOCULATE?

Inoculation of your seed before planting will give you a much stronger and quicker growth, producing a greater tonnage of hay. The cost of inoculation per acre is so small that the increased yield will repay it many times.

The big benefit comes in the value added to your land. The roots of the Alfalfa are the home of the inoculated bacteria, that draw the fertility-building nitrogen from the air and store it in swelling on the roots, called nodules. These

nodules not only feed nitrogen to the plant, but rot away in the ground to supply valuable nitrogen to all future crops of all kinds.

**NITRAGIN**—The original soil inoculator. Prepaid, per bu. size package, \$1.00; 5 bu. size package, \$4.50.

## GRIMM ALFALFA

Is past the experimental stage. Grimm Alfalfa is becoming more popular every year, for several distinct reasons, principally because it is very hardy and will not winter-kill during the cold months as common alfalfa often does. It can be cut with greater safety late in the fall, and will bear more abuse in the way of pasturage. The crown is four or more inches below the surface and the young shoots are protected by the soil from winter freezing.

The crown of the plant is very heavy stooling, often three or four hundred shoots. The roots are branching as shown in the picture, instead of the long single top root of the common alfalfa. This enables the plants to live in poorly drained soils. New shoots are also sent up from these branching roots, forming new plants from the root of the parent plant.

Up until the last two or three years Grimm alfalfa has been tried in Missouri and Kansas on a very small scale with very satisfactory results, but the last year or so large tracts have been sown and is safely by the experimental stage. This alfalfa is a shy seed yielder, and is nearly double the price of ordinary seed; but because of the fact that each plant stools so much more, it only requires about one-half as much seed to the acre. 10 to 12 lbs. is ample; in this way it costs no more per acre. We recommend inoculating with Nitragin Bacteria, the cost is very small and will start the young plants off from the start. Our seed is all Northern grown by reliable growers in Dakota or Wisconsin. Prepaid, per lb., 65c; 10 lbs. for \$6.00.



## ASK FOR FARMERS' SPECIAL PINK LIST ON FARM SEEDS

## FARM SEEDS

## SOY BEANS—COW PEAS—ALL SOIL BUILDERS—SAND VETCHES

## VETCH—King of Soil Builders

## SAND OR WINTER VETCH

The Sand Vetch, also called Winter Vetch or Hairy Vetch, is an annual plant, similar in growth to a Pea Vine, but more slender, more branching and leafy; it will grow from 6 to 10 feet tall.

## INOCULATE THIS SEED WITH NITRAGIN

As the name indicates, it has a special adaptation for sandy soils; it succeeds well on light soils, too poor for clovers, cow peas, etc., but will give bigger crops on richer land.

Sand Vetch is of great value for pasture and hay, and the fodder, either green or dried, is much relished by all stock; it is very nutritious, containing even more protein than Alfalfa. It is cut for hay when pods are forming; the average yield of hay is from  $3\frac{1}{2}$  to 4 tons per acre.

Sand Vetch is a good cover crop for orchards. Sand Vetch is sown in spring and in fall, in this section not later than the middle of October, but later farther south. It grows best in cool weather. If sown before July 1st, it generally freezes out, but if sown later it lives over winter, goes to seed in June, then dies.

## VETCH—Best Potato Fertilizer

Kaw Valley potato growers turn under hundreds of acres of Vetch each year for fertilizer, better results being obtained than from any other green manure crop, which has been tried. Should be sown during August or September with wheat or rye; using about 20 lbs. of Vetch and one bushel of either grain to the acre.

We handle this seed in large quantities and will make very attractive prices in larger lots. Prepaid, per lb., 25c; 10 lbs., \$2.00.



Vetch

## FIELD PEAS AND BEANS

## USE NITRAGIN AND INCREASE THE CROP FOR FORAGE, SOIL IMPROVEMENT AND TABLE USE

Prices on Cow Peas and Beans listed on this page change with the market. Write us for current prices. We are always glad to quote lowest ruling prices.

## COW PEAS

The U. S. Department of Agriculture says: "No one thing can add more to the agricultural wealth than the growing of Cow Peas." There is no cheaper, surer, or more permanent way to improve our land, and keep the soil in first class mechanical condition. Corn, potatoes, tobacco and other crops following Cow Peas do not suffer from the effects of hot, dry weather, as they do when planted on lands deficient in vegetable matter. Sow in May, June and July, at the rate of 1 to  $1\frac{1}{2}$  bushels to the acre. They may also be put in

with drill and worked. Cut when pods commence to turn yellow. The hay cures easier and better at this stage of growth.

**WHIPPOORWILL**—A favorite early bunch-growing variety; has brown speckled seeds, which are more easily gathered than the vine-growing sorts. This variety is a prime favorite on account of its early maturity and habits.

**NEW ERA**—This Pea is fully two weeks earlier than the popular Whippoorwill variety; a very great advantage to the farmer. In size it is one-third smaller than the Whippoorwill—another great advantage. It is a so-called Bunch Pea, similar to the Whippoorwill in growth. In sections of Missouri and Illinois the New Era Pea is planted after the wheat crop has been cut, and matures early enough in the fall to harvest in time to sow winter wheat on the same field. This cannot be said of any other variety of Cow Peas.

## SOY BEANS

Soy Beans may be utilized either as a soiling crop, pasture crop, hay crop or grown for seed. As a soiling crop for cows, no crop surpasses them for producing a high yield of milk. Hogs turned into a patch of Soy Beans, as the beans are commencing to form, will make a phenomenal growth.

As a grain crop, it is as paying as any crop you sow. The average yield is around 25 bushels to the acre and is as rich as oil meal in feed, being worth about 3 cents per pound. You also have the threshed hay, which compares favorably with clover hay. You will be surprised to see how all stock love this threshed hay and how they thrive on it. We recommend planting this crop with corn, especially if you intend to use your corn in the silo. The custom is to harvest the beans right along with the corn when filling the silo.

The outlook is for a big demand for seed. More Soy Beans will be planted this year than ever before. It is to your interest to use Soy Beans either for soiling or as a feed crop as they are bound to please.

The Soy Beans will produce under favorable conditions 12 to 13 tons of fresh fodder per acre, containing large amounts of crude protein and fat, which makes an excellent forage to mix with corn fodder or other forage plant high in carbohydrate but low in protein.



Soy Beans

Inoculate this seed with  
NITRAGIN.  
See Page 72.



## ASK FOR FARMERS' SPECIAL PINK LIST ON FARM SEEDS

## FARM SEEDS

## SOY BEANS—Continued

**VARIETIES**—We are only listing the three best varieties and believe we are offering you the best selection on Soy Beans you can obtain. Our stock is all high grade, testing high on germination and our prices are low.

All varieties listed below are recommended by the Missouri and Kansas department of agriculture, as being best adapted for this section of the country.

**WILSON**—White flowers; whitish hairs on mature pods; black, glossy seed, medium small, flattened and sometimes kidney-shaped; tall, slender, leafy plant, with tendency to vine. Matures in about 115 to 120 days. Probably the best hay variety for average land. Prepaid, per lb., 20c; 10 lbs., \$1.50.

**VIRGINIA**—Purple flowers; tan-colored hairs on mature pods; tan or brown seed, medium small, flat and kidney-shaped; inconspicuous seed scar; tall, slender, leafy plant—taller and somewhat coarser than Wilson—with tendency to vine, especially on rich land. Matures in about 125 to 130 days. The best all purpose variety on thin soil. Prepaid, per lb., 20c; 10 lbs., \$1.50.

**MIDWEST**—Purple flowers; tan-colored hairs on mature pods; yellow, glossy seed, medium small and somewhat flattened; seed scar of a color similar to seed coat; erect plant, not quite so coarse as Morse, but sometimes slightly taller. Matures in about 110 to 115 days. One of the most popular kinds for this section; a heavy seed yielder and good for pasture. Prepaid, per lb., 20c; 10 lbs., \$1.50. Inoculate This Seed With Nitragin.

## DWARF ESSEX RAPE

Grows two to four feet high. Produces from 25 to 30 tons of green fodder to the acre.

Produces feed in from six to ten weeks from sowing.

Sow five pounds to the acre.

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. It is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the rape grows rapidly. If the soil is rich and clean, sow



Dwarf Essex Rape

broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. Prepaid, per lb., 20c; 10 lbs., \$1.50.

## SUDAN GRASS

**A Heavy Yelder, Making Hay of Excellent Quality.**

Sudan Grass is no longer a new plant as it has been grown very extensively the past few years and every up-to-date farmer has read about this wonderful crop and knows something of its merits. Now, if you are not already a grower of Sudan, you should start at once. No farmer can well afford to pass up Sudan.

Sudan Grass, which is one of the sorghums, is very similar in growth to Johnson Grass, but differs from the latter in that it is entirely free from the persistent underground root system which makes Johnson grass sod so difficult to eradicate. Sudan Grass, being an annual and having fibrous roots similar to wheat or oats is as easily controlled and eradicated as millet at the close of the growing season.

This grass is even more thrifty in growth than Johnson grass, reaching from 4 to 7 feet in height, producing medium small stems and an abundance of broad linear leaves. The color of the plant is a shade paler, and is more palatable than any other sorghum hay. One plant produces from 80 to 100 culms.

While Sudan will grow in almost any soil or climate, it is especially adapted to the arid and semi-arid regions of the south-west. The yield of Sudan hay is from 4 to 10 tons per acre and the quality extra good, making the best of hay.

You will find Sudan Grass recommended in the highest terms by the best agricultural writers and is without question the greatest feed crop that can be grown in a dry climate. While it is a great drought resister, it grows profusely under any conditions under which it has been tried.

Every stockman and experiment farm that have tested this grass, state that it is fine hay, and stock eat it in preference to Alfalfa. It analyzes over nine per cent protein.

## A SILAGE CROP

Sudan has become so plentiful that it is being grown extensively for silage. It is the universal opinion of those who have grown it that it is destined to make one of the very best ensilage crops known. It will be even better when grown with soy beans or cow peas, as this combination would make an enormous yield of ensilage that would be very palatable and well balanced.

## HOW TO PLANT

Sudan Grass may be planted in cultivated rows, in close drills or broadcast. Plant in cultivated rows, 30 to 36 inches apart. Only 3 or 4 pounds of seed to the acre will be required. An ordinary corn planter with the sorghum plate or a specially prepared plate may be used for the row planting. The most popular method and the best results will be had by planting with a drill or broadcast at the rate of 25 to 30 lbs. per acre. Prepaid, per lb., 15c; 10 lbs., \$1.25.



Sudan Grass

See Pages 1 and 2 for Harnden's Novelties  
for 1925



## ASK FOR FARMERS' SPECIAL PINK LIST ON FARM SEEDS FORAGE CROPS

### KAFFIR—MILO MAIZE—CANE —FETERITA—MILLET

The earliest of the drought resisting sorghums. In a dry year it will outyield all other Sorghums. Resembles Milo excepting that the stems are uniformly erect and the seed is larger and softer. Prepaid, per lb., 10c; 10 lbs., 75c.

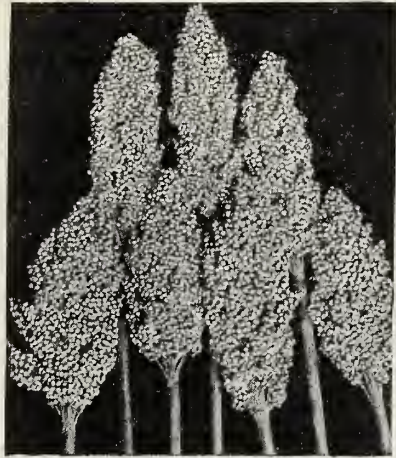
### YELLOW MILO MAIZE

A variety of Sorghum, non-saccharine, stalks 8 to 10 feet high. It stands dry weather and makes its crop where Corn would fail. It ripens seed in 90 to 110 days, making it suitable for high altitudes. The culture for Milo Maize is the same as for Kaffir Corn. Prepaid, per lb., 15c; 10 lbs., \$1.25.

### MILLETS

Millet is a short season crop and may be sown in July and still produce a good crop of hay. There is probably nothing so well adapted to cover up shortage in hay crops as Millet. Being of rank growth it is also one of the best crops for smothering weeds. While a drought resister, Millet does best on moist and well prepared soils.

**GERMAN OR GOLDEN**—Grows very rank stalks, 4 to 5 feet high, covered with fine narrow leaves, making excellent hay, which is sweet, palatable and milk-producing. On good rich soil it yields five tons of hay and more per acre. The hay seems coarse, but is very tender, and cows, horses and all other farm stock are exceedingly fond of it. Should be cut when in full bloom. Sow 25 to 40 pounds per acre. Prepaid, per lb., 15c; 10 lbs., \$1.25.



Kaffir Corn

**SIBERIAN**—Resembles Golden Millet in manner of growth and productiveness, but is about two weeks earlier and the seed is orange red. It stools quite heavily, is very leafy and bushy and a heavy yielder of both hay and seed, producing 50 to 70 bushels of seed and 4 to 5 tons of hay per acre. It will ripen in 60 to 70 days from sowing. It is rust-proof, and chinch bugs do not trouble it. It requires less seed to sow one acre of this variety than of others on account of its great stooling habit. Prepaid, per lb., 15c; 10 lbs., \$1.25.

**HOG OR BROOM CORN MILLET**—This Millet has the branching head, resembling Broom Corn, hence the name. It is a very early variety, ripening in 50 to 60 days from time of sowing. The seed ripens while the fodder is yet green, so it can be cut and used for both hay and seed with good success. Is a sure cropper and makes excellent feed for Hogs and Poultry. Prepaid, per lb., 15c; 10 lbs., \$1.25.

### KAFFIR CORN

Makes Large Yield of Fodder. About Equal to Corn in Feeding Value. Stands Dry Weather. Valuable for Poultry.

The value of this crop has been largely appreciated in the West. We find that it does just as well in the South. It is noted for its drought resistant qualities and adaptability to a wide range of soils. Long spells of dry weather may check its growth, but as soon as rain falls it commences again, without injury by the check received. It is valuable sown with Cow Peas. One bushel of peas and 15 pounds of Kaffir Corn seed an acre. The grain is a valuable feed for stock, hogs and poultry. When sown alone, about 3 pecks to the acre broadcast, or 8 pounds per acre in drills 3½ feet apart. Prepaid, per lb., 10c; 10 lbs., 75c.

### CANE OR SORGHUM

**FEEDING VALUE**—It is known quite definitely that an acre of sorghum will produce more food value, more pounds of beef or pork, when properly fed, than an acre of corn. The main use of the crop, however, is for a winter supply of forage, and it has this advantage over corn or any other kind of grain, that it can be sown late. It furnishes fodder in 70 to 90 days and matures seed in about 100 days.

**CULTURE**—Plant from April to August, in rows 3 feet apart, drilling 20 pounds per acre, or broadcast at the rate of 1 bushel per acre.

**EARLY AMBER**—The earliest variety known, making in 65 to 90 days; also very productive, yielding as high as four tons per acre. Prepaid, per lb., 10c; 10 lbs., 75c.

**EARLY ORANGE SORGHUM**—Very productive, allowing 3 cuttings from same seed. About 10 days or 2 weeks later than the Early Amber. Sow thickly, and will make a fine forage crop. Prepaid, per lb., 20c; 10 lbs., \$1.50.

**SUGAR DRIP**—Not only makes a large yield of green forage, but is very sweet and is used for making syrup. With the ordinary farm mill this variety usually yields about 65 per cent of its weight in juice; a better machine gets a still higher per cent. This is a distinct variety and grows very large and tall, producing immense quantities per acre. Prepaid, per lb., 25c; 10 lbs., \$2.00.

Any of the above crops can be planted after early crops have been harvested. Don't permit your ground to lie fallow, but plant one of the above forage crops and make your ground give you a double return.



A Fine Field of German Millet



Cane or Sorghum



## ASK FOR FARMERS' SPECIAL PINK LIST ON FARM SEEDS

## FARM SEEDS

**Broom Corn—Buckwheat—Sunflower—Castor  
Beans—Flax—Peanuts—Stock Beets**

## BROOM CORN

**MISSOURI EVERGREEN**—This Broom Corn grows about 8 to 10 feet high and is of the standard variety, stands up well and is entirely free from crooked brush. The fibre is long and fine. Its great value is that it will not get red in the field before it is cut, but it is strictly a green variety of brush, commanding a high price. Will produce well on ordinary corn ground. Sow 10 pounds to the acre. Prepaid, per lb., 15c; 10 lbs., \$1.00.

**OKLAHOMA DWARF**—Originated in Oklahoma, is of the dwarf variety and is earlier than all other varieties. Brush long and well fibered and is a drouth resister. On new breaking it does splendidly, leaving the ground in fine condition for a fall wheat crop; only a slight disking to prepare the soil, averages 5 feet in height, making it convenient for pulling brush; is a great yielder, often making 1 to 3 tons of fine long brush to the acre; stalks make excellent fodder if cut at once after brush is pulled. Sow 10 to 20 pounds per acre. Prepaid, per lb., 15c; 10 lbs., \$1.00.

## BUCKWHEAT

Should be sown about the middle of June, at the rate of from one-half to three-fourths bushels per acre. You will avoid the danger of its spoiling, by threshing as soon as dry.

Buckwheat is one of the very best cover crops that can be grown in the orchard and the flowers are very much relished by bees. Buckwheat is the cool seasons crop and one which can be sown very late in the season and will produce very satisfactory returns. It can be handled at a time when other crops are not needing attention and we believe it should be much more generally sown than it is at present. It is exceptionally well suited for late planting on wet ground or after the grain crop is harvested.

**JAPANESE**—This is a very popular variety of buckwheat. The plant is of stronger growth than common buckwheat and resists drought and blight much better. The grains are a rich dark brown, has a thin hull and larger grain than Silver Hull. It ripens a week earlier than other varieties and is perhaps the best for light or sandy soils and for the dry climate of the western plains. Prepaid, per lb., 15c; 10 lbs., \$1.25.

## MAMMOTH RUSSIAN SUNFLOWER

While many prefer Sunflower to corn for silage, where both can be grown successfully, in the higher altitudes where the season is short we especially recommend Sunflower for silage. Sunflower matures in about two weeks less than corn; thus you are always assured of a good crop for your silo.

Sunflower gives a much larger yield than corn, yielding on dry land 10 to 15 tons of silage per acre, and under irrigation 30 to 35 tons. It is claimed to be of equal feeding value to corn for dairy cows, sheep, etc.

The Sunflower grain is greatly relished by poultry, and is a very good feed and tonic for them. Many people throw the heads of the Sunflower into the poultry yard. Prepaid, per lb., 15c; 10 lbs., \$1.25.

## SEED FLAX

It will pay you to sow nice, pure, high-grade flax seed. Our seed is thoroughly re-cleaned, free from mustard or any other weed seed and is as good as can be purchased anywhere. One of the most profitable crops, especially on new land. Prepaid, per lb., 15c; 10 lbs., \$1.20.

## CASTOR BEANS

Are largely grown in our state, and have paid well the past few years. Will do well on any good corn land. One bushel plants 15 acres. Prepaid, lb., 20c; 10 lbs., \$1.50.

## PEANUTS

This crop is naturally adapted to a light, sandy land. When properly cared for, it will yield a good profit as a market crop or as pasturage for hogs. Shell the seed before planting, and plant in rows 3 feet apart, hills 10 inches apart. Peanuts should be planted in May or June.

**SPANISH**—For home use we think this variety by far the superior of any that we know. The kernels are sweet, with a rich flavor. This is a very prolific variety. Prepaid, lb., 25c; 10 lbs., \$2.25.

**SELECT VIRGINIA**—A large, heavy yielding variety. This variety is more widely grown in the South than any other. It is the standard commercial variety and commands top prices. The nuts are large and well-shaped, containing 2 and often 3 kernels. Prepaid, lb., 25c; 10 lbs., \$2.25.



Broom Corn

MANGEL STOCK BEETS  
or Corn Saver

The value of Mangels for stock feeding is quickly seen in the improved health and condition of the animals, the increased flow and quality of milk from the cows, and the saving in fodder. Mangels yield enormously and can be grown at a trifling cost. Every one who keeps even one cow should grow a patch of Mangels for winter feed. They make excellent and rich feed for poultry. Can be stored in a cellar or covered up in the ground and kept all winter, feeding as you need them.

## A GREAT HOG FEED

**HOW TO FEED**—Feed hogs one-third corn, one-third alfalfa, and one-third of the new **CORN SAVER BEET**. The amount of alfalfa hay and corn may be reduced from time to time until you will not have to average more than one small ear of corn to each hog, with very little alfalfa hay and the balance **CORN SAVER BEET**. Give them all they can eat and the hogs will get rolling fat and healthy.

**CULTURE**—Sow in the early spring as soon as seed bed can be put in proper condition, in drills 2 to 3 feet apart. Cover the seed with 1 inch of soil and thin to stand about 8 to 12 inches apart in the rows. Use 1 ounce to 100 feet of drill, 5 to 6 pounds per acre. A light loamy soil is best. Cultivate frequently. Keep free from weeds.

**MAMMOTH LONG RED**—Select strain, often growing from 12 to 24 inches in length, weighing from 10 to 25 lbs. It grows well above the ground and is easily harvested. It is of immense size, is enormously productive and profitable when grown on rich deep soil, and is an excellent keeper. This variety will yield more tons per acre than any other. Prepaid, per lb., 50c; 10 lbs., \$4.50.

**GOLDEN TANKARD**—The flesh is rich deep yellow, differing in this respect from other Mangels, surpassing them in milk-producing qualities. Sheep and other stock thrive on this variety. It yields an enormous bulk on good land. Prepaid, per lb., 50c; 10 lbs., \$4.50.



## SEE FARMERS' SPECIAL PRICE LIST FOR PRICES

## HARNDEN'S TESTED SEED CORN

## YELLOW VARIETIES

**REID'S YELLOW DENT (100 Days)**—The standard yellow Corn of America, and the most popular variety grown. The number of acres planted to Reid's Yellow Dent is simply enormous. Very popular because of the large ears, which are uniformly smooth and light yellow in color. An ideal show variety, and easy to sell because of its uniformity and large percentage of grain to a cob. Shells 58 per cent of grain and often better. Ears run 8 to 11 inches long in different localities and 7 to 8 inches in circumference. An immense yield on good soil. Very rich in fattening qualities, such as starch, protein, and especially vitamins.

**IOWA GOLD MINE (95 Days)**—Next to Reid's Yellow Dent this variety is most popular yellow corn grown. It is successfully raised in most every state in the Union, and is the all-purpose corn. A good yielder, either on hill or bottom ground, and is about 10 days earlier than Reid's Yellow Dent. Makes excellent feeding corn and is very valuable for ensilage, on account of the heavy growth. Ears are medium length and small cob, grain deep and pure golden color and closely packed.

**PRIDE OF THE NORTH (90 Days)**—This variety has smaller ears than the late kinds, but is valuable as it matures early. Planted as late as July 4 it has fully matured by October 2. The ears have from 14 to 16 rows, growing 8 to 10 inches in length, slightly tapering. The kernels are closely set together on the cob, and of a light orange color. The stalks usually grow 6 to 8 feet in height, producing 1 or 2 good ears. Our seed of this variety has been grown for us with special care from the original stock.

**KAW-CHIEF**—The corn is of a deep, golden yellow color, the ears are large, measuring up to 13 and 14 inches in length, and have 16, 18, and 20 rows to the cob. The grower had in mind constantly not so much a very large ear, but an ear that was well filled at both tip and butt, and kernels that were large and square-shouldered. This is the kind of corn that yields heaviest when shelled. A bushel of Kaw-Chief Corn on the ear will yield 58 to 60 pounds of shelled corn. Kaw-Chief Corn matures in from 95 to 105 days, and ordinarily yields from 75 to 80 bushels per acre and makes a good growth of foliage. It does well on both upland and bottom land. Our supply of Kaw-Chief is always exhausted before the end of the season, so send your order early.

**MAMMOTH CALICO DENT (110 Days)**—This variety is perhaps the largest and best yielding corn that we have today. It is an improvement over the old Bloody Butcher and is considered one of the best varieties for feeding purposes, as it is not flinty like some other corns. This corn made a remarkable yield for us this season, averaging 85 bushels to the acre.

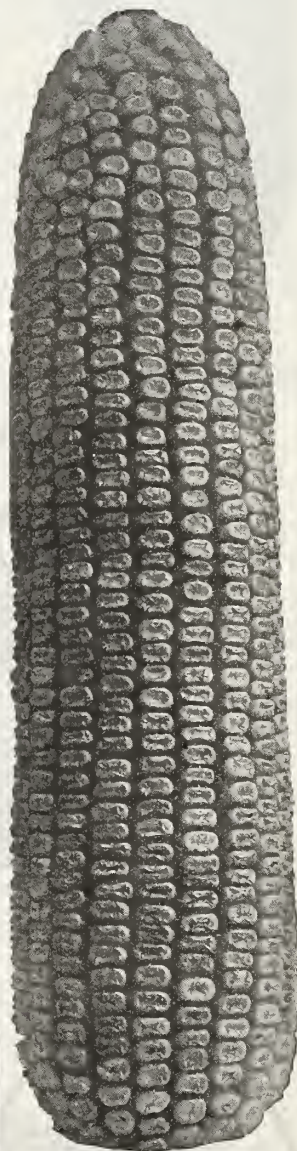
## WHITE VARIETIES

**CHAMPION WHITE PEARL (90 Days)**—The stalk is short and thick. The ears grow long on the stalk, from 7 to 12 inches in length almost parallel throughout, of medium size, averaging 16 rows of grains. The grains are pure white, very deep, compact and heavy. The cob is small. It makes a superior quality of corn meal. Also used for roasting ears on account of its close resemblance to sweet corn when green. Can be planted as late as July 15 for this purpose.

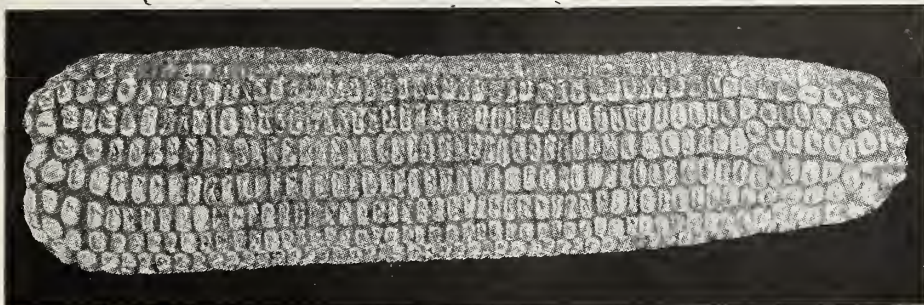
**IOWA SILVER MINE (90 Days)**—The stalk grows to a height of 7 or 8 feet, and set the ears about 3½ to 4 feet from the ground. The ears measure from 10 to 12 inches in length. They are very uniform in size and shape, sixteen to twenty straight rows of deep, pure white kernels, on a small cob. It is the heaviest yielder we know, having yielded over 100 bushels to the acre. Seventy pounds of ears will make sixty-two pounds of corn. It is entirely distinct and will give satisfaction.

**HICKORY KING (110 Days)**—This is an entirely distinct variety amongst the white corn, combining the largest grain with the smallest cob. A single grain will completely cover the cob of an ear broken in half. It is a great yielder, giving more shelled corn to the acre bulk of ears than any other variety. It is satisfied with any kind of soil, and will produce good strong stalks, bearing two, and occasionally three good ears. A good drought-resister. We recommend it very highly.

**BOONE COUNTY WHITE (110 Days)**—Boone County white is a very large, white corn, something like Silver Mine, but larger and later in maturing. Ears are well filled out at both ends, cylindrical, 9 to 11 inches long, averaging 20 rows, some 18 to 22. Grain very deep; a little rough. Cobs white of medium size. Boone County is a show corn, and has carried off many premiums offered at corn contests—state and county fairs.



Champion White Pearl





## SPRAY PUMPS

### AUTO-SPRAY NO. 410

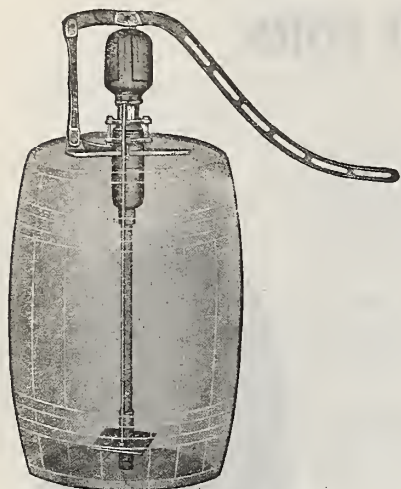
This pump will handle two nozzles without exertion. This pump has plenty of capacity and is an excellent barrel pump.

The AUTO-SPRAY No. 410 is guaranteed to give satisfaction.

It is constructed of heavy castings with a plunger of seamless brass tubing two inches in diameter.

The AUTO-SPRAY No. 410 will handle whitewash and all heavy solutions. It is an excellent pump for use in the orchard.

Auto-Sprayer No. 410 equipped complete with fifteen foot  $\frac{3}{8}$ -inch discharge hose, 8-ft. iron extension and non-clog junior nozzle. Each, \$25.00.



Auto Spray No. 410

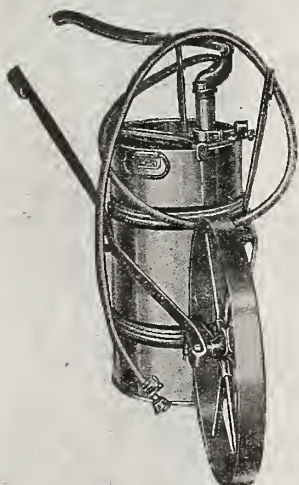
### AUTO-SPRAY NO. 3D

General purpose orchard, field and whitewash sprayer. We recommend the Auto-Spray No. 3D for whitewashing buildings containing between 3,000 and 60,000 square feet of floor space, as constructed in accordance with the requirements of DAIRY FARMERS throughout the world. THE AGITATION IS PERFECT.

The Auto-Spray No. 3D is made in two sizes as listed below. It is furnished with galvanized iron reservoir. The machine having a capacity of 12 gallons. It is furnished in connection with the truck which saves considerable labor.

The pump itself is on the principle of a force pump and will generate a pressure of at least 150 lbs., to a square inch.

Care should be taken after each time whitewash is used in this or any sprayer. All the parts should be thoroughly cleaned. It is not a bad idea after the pump has been cleaned to pump a few gallons of water through the pump.



Auto Spray No. 3D

#### IN DETAIL

TANK—Galvanized steel.

CAPACITY—12 gallons.

PUMP—Plunger style. Graphite packing, adjustable by tightening the nut on the top of plunger head. No leather cups.

PLUNGER—Brass  $1\frac{1}{2}$  inches in diameter, 3 inch to 5 inch stroke as desired.

VALVES—Brass ball valves.

SUCTION PIPE—Fitted with brass strainer.

AGITATION—Mechanical and effective. Operated from the handle.

#### EQUIPMENT

8 ft. high pressure  $\frac{3}{8}$ -in. hose, 2 ft. 8 inches iron extension, lever shut-off and latest pattern screen nozzle.

Repair list with formula for mixing whitewash and cold water paint with each machine.

#### SHIPPING WEIGHT

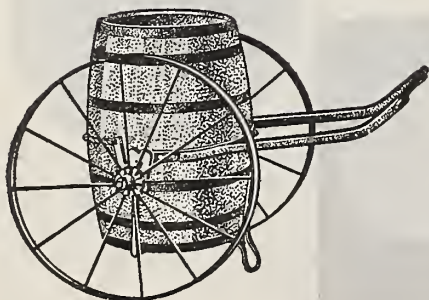
8 gal. crated 45 lbs., net 33 lbs.; 12 gal. with truck crated 75 lbs., net 58 lbs. Each, \$22.50.

### No. 9 BARREL CART

Will easily carry fifty gallon barrel, well made with steel frame; diameter of wheels 36 inches with two inch oval steel tires. Frame painted green, wheels painted yellow. All parts varnished. Each knocked down without barrel, \$17.50.

Set up without barrel, \$19.50.

Set up with barrel—Ask for price.



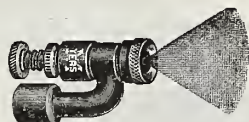
ASK FOR SPECIAL PRICE LIST ON SPRAYING MATERIALS.



## SPRAY PUMPS—Continued



AUTO SPRAY No. 1



SPRAY NOZZLE No. 3



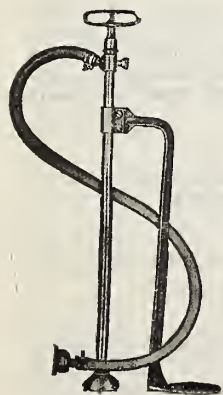
SPRAY NOZZLE No. 2



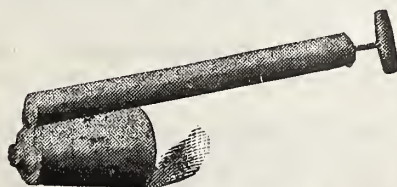
AUTO SPRAY No. 5



BOTTLE SPRAY No. 4



AUTO SPRAY No. 6



LOWELL SPRAYER No. 7

### COMPRESSED AIR SPRAYER

The Auto-Spray No. 1 has been standard for 20 years, and over 500,000 are in use with experiment stations and horticulturists all over the world.

The Auto-Spray No. 1 is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about 15 strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray. This sprayer is equipped with our patented NON-CLOGGING Nozzle.

**USES:** For spraying trees, shrubs, vines, field crops, greenhouses and poultry houses; for applying Paris Green, arsenate of lead, bordeaux, lime and sulphur emulsions, disinfectants, cattle-fly oil, whitewash, cold water paints, etc.

**CONSTRUCTION:** It consists of a solution tank holding 3½ gallons. The tank is made of galvanized steel or heavy sheet brass, as ordered. (WE STRONGLY RECOMMEND THE BRASS BECAUSE IT WILL NOT CORRODE WITH STRONG SOLUTIONS AND WILL LAST INDEFINITELY).

A brass air pump, the cylinder of which is made of seamless tubing, is located inside of the solution tank, protected from injury, and is provided with our cam locking device which closes the filler opening air tight with a half turn of the pump handle.

The entire machine is made without screws or bolts, and no tools of any kind are required to take it apart. The valve washers resist oil and other solutions that attack rubber.

**GALVANIZED TANK**—Each, \$6.75.

**BRASS TANK**—Each, \$9.00.

**No. 2 SPRAY NOZZLE**—Bordeaux and whitewash. Prepaid, each, \$1.25.

**No. 3 SPRAY NOZZLE**—Vermorel, for general spraying. Single, prepaid, each, \$1.25.

**BOTTLE SPRAY No. 4**—A small spray used for house plants, will fit any ordinary quart bottle. Throws a fine mist and we recommend it very highly for indoor spraying. Each, \$1.50.

**AUTO-SPRAY No. 5**—The pump is made entirely of brass. It has two ball valves so arranged that they may be instantly cleaned. The threads are all cut, not rolled, so that there is no chance for leakage. Pumps double acting and will generate a pressure of 180 lbs.

We furnish with this pump 3½ feet of ¾-inch suction hose and a heavy strainer that keeps the hose from working out of a bucket or tank.

The strainer screen can easily be taken out of the strainer casting. This strainer has 5 square inches of screen surface.

The extension is extra and is very useful for spraying field crops. The extension is curved so that the operator can direct the spray up or down while using the pump in a horizontal position.

The knapsack tank is also extra and is essential where the sprayer has to be continually moved about, such as spraying rows of potatoes. Auto-Spray No. 5, pump, hose, nozzle and strainer complete, \$5.50. Extension, prepaid, 75c. Galvanized iron reservoir (for use on potatoes or field crops), \$3.25.

**AUTO-SPRAY No. 6**—Is probably the most powerful bucket pump manufactured. This sprayer can easily generate a pressure of 200 lbs. The ease with which this pump can be operated is very noticeable.

**MADE OF BRASS:** The pump and valves complete are made entirely of brass. For that reason this pump lasts much longer than a bucket pump made of other material. Each, \$5.75.

**LOWELL SPRAYER No. 7**—Lowell's extra long stroke tin sprayer for liquids, prepaid, each, 75c; for powder, prepaid, each, 10c. Also have Lowell's long stroke liquid sprayer with Mason jar tank. Will fit any quart Mason jar and does not rust out. Each, \$1.00.



## INSECTICIDES and SPRAYING MATERIALS

As this catalog goes to press before the 1924 prices are announced on spraying materials, the following prices are subject to change.

### ARSENATE-OF-LEAD (Dry Powdered Form)

**ANSBACHER'S**—An effective insecticide for leaf-eating insects and particularly suitable for tender foliage. Due to the light fluffy character of this material and its adhesive qualities it insures quick and effective control. Under favorable conditions will not injure the foliage. Can be used on Apple, Pear, Peach and Plum trees, Potatoes, Corn and vegetables of all kinds that may be attacked by leaf-eating insects.

Can be used either dry or as a spray. The person having a small garden and a few trees will find the dry method the more practical.

Dust the trees or plants lightly, putting on just enough so that the foliage on close observation will show a luster of metallic tinge. Dust vegetables when the bugs first appear using 4 to 5 lbs. to the acre. To control the corn ear worm dust the silk as soon as it appears. Treat each ear. The worm works only on fresh silk and works into the ear. For effective control keep the fresh silk treated.

When used as a spray use 1½ to 2 lbs. to 100 gallons of water for trees and 2 to 2½ lbs. to 100 gallons of water for potatoes. ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50; 50 lbs., \$13.00.

**APHINE**—A nicotine preparation for plant lice, thrip and red spider. Dilute 1 part to 40 parts of water. 1 qt., \$1.00; 1 gal., \$3.00.

**"BLACK LEAF 40"**—This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphids (plant lice), Thrips, Leaf-hoppers on all trees, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to the foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You cannot go wrong by ordering "Black Leaf 40" for sucking insects.

1 oz., \$ 0.35—Makes 6 gallons spray.  
½ lb., 1.25—Makes 40 to 120 gallons spray.  
2 lbs., 3.75—Makes 160 to 500 gallons spray.  
10 lb., 15.50—Makes 800 to 2,500 gallons spray.

**BORDEAUX MIXTURE (Powdered)**—The finest and best article of its kind made in America. Ready for immediate use. Works freely, without clogging in any spraying machine. To be diluted 25 to 50 times with water and sprayed. The uniformity of its consistence permits a very fine spray and consequent large economical distribution of a small quantity evenly over a large area of surface. Prevents black rot, mildew and rust. Destroys fungus growth on vegetables. 1-lb. pkg., 50c; 5-lb. can, \$1.75.

**CARBOLA**—A disinfecting, germ-killing whitewash paint. Is in powder form which has been combined with a disinfectant many times stronger than carbolic acid. 5-lb. pkg., 75c; 10-lb. pkg., \$1.25; 50 lb. pkg., \$5.00; 100-lb. pkg., \$10.00.

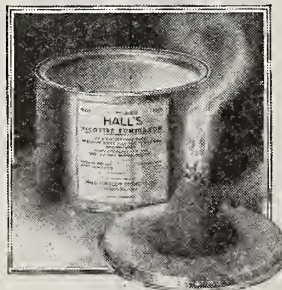
**CARBON BI-SULPHIDE**—Used by grain dealers, seed dealers, etc., for killing weevil in different seeds and grains. Kills by evaporation. Also will kill tree borers if properly used. Prepaid, small bottles, 30c.

**COPPER SOLUTION**—Liquid. A remedy for fungus. Dilute 1 gal. to 15 gals. of water. Prepaid, 1 qt., \$1.50.

**FISH OIL SOAP**—Prepaid, 1-lb. box, 40c; 2-lb. box, 75c; 5-lb. box, \$1.50; 10-lb. box, \$2.50.

**\*GRAPE DUST**—A light weight powder fungicide, especially valuable for preventing mildew on roses, grapes and vining plants, such as cucumbers and melons. Put up in 1-lb. sifter top carton. Each, 35c; 5-lb. pkg., \$1.25.

We handle every year large quantities of spraying materials. Write for special prices. In large lots we can save you money.



**HALL'S NICOTINE FUMIGATOR**—A specially prepared tobacco powder containing 12½ per cent Nicotine, which makes a simple and effective fumigator. 1 lb., \$1.25; 2½ lbs., \$2.50; 10 lbs., \$8.50.

**HELLEBORE**—For aphids and for the currant worm. To apply as a liquid, use 4 oz. to from 2 to 3 gals. of water; dry, use 1 lb. to 5 lbs. of flour or hydrated lime. ½ lb., 35c; 1 lb., 65c; 5 lbs., \$3.00.

**KEROSENE EMULSION**—Used as a summer wash against scale, plant lice and aphids. Ready for use by simply adding water. 1 qt. can, 75c.

**LEMON OIL**—Effective against scale and aphids. Particularly recommended for use indoors, since it has a pleasant odor. Dilute 1 part to 10 parts of water. Prepaid, 1 qt., \$1.00; ½ gal., \$1.75; 1 gal., \$3.00; 5 gals., \$12.00.

**LIME SULPHUR (Powdered)**—A perfect scale and fungus destroyer; special for plum and peach trees, which need fall and spring treatment; cures peach leaf curl. Use during dormant period. protect the hands with gloves when applying.

For dormant spraying against such scale insects as San Jose scale and Oyster Shell scale, use 10 to 14 pounds of dry or powdered lime sulphur. Dissolve in 50 gallons of water. For summer spraying against fungus diseases that have been successfully controlled with liquid lime sulphur, use from 2½ to 3 lbs. dry lime sulphur to 50 gallons of water in combination with the usual proportion of Dry Arsenate of Lead. 1 lb. pkgs., 45c; 5-lb. pkgs., \$1.60; 25-lb. pkgs., \$5.50. Ask for price in larger lots.

**MELROSENE**—The most effective remedy for killing full-grown rose bugs. Will not discolor flowers. Dilute 1 part to 20 parts of water. Trial size, prepaid, 50c; 1 pt., \$1.00; 1 qt., \$1.75; ½ gal., \$3.25; 1 gal., \$6.00.

**"NICO-FUME" PAPER**—Sheets of paper treated with high-strength refined nicotine solution. Especially suitable for fumigation of cut flowers, to destroy aphids and thrips. Very convenient. Eight or ten sheets fumigate 16,000 cubic feet of space. 24 sheets, \$1.25; 144 sheets, \$5.50; 288 sheets, \$10.00.

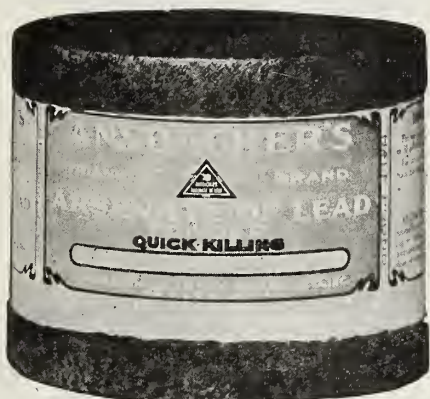
**NICO-FUME**—Liquid. An effective vaporizing liquid. ¼ lb., 75c; 1 lb., \$2.25; 4 lbs., \$8.00; 8 lbs., \$15.00.

**PARA-DICHLOROBENZENE**—A remedy for peach tree borers. Use about 1 oz. to a tree. 1 lb., 60c.

**PYROX (Bordeaux Arsenate of Lead, Paste)**—A combination of Bordeaux Mixture and Arsenate of Lead, forming thereby a remedy for fungus and leaf-eating insects. Use 1 lb. to from 5 to 10 gals. of water. 1 lb., 50c; 5 lbs., \$1.75.



## INSECTICIDES and SPRAYING MATERIALS—Continued



Paris Green (ANSBACHER'S)

The first consideration in the purchase of Paris Green is effectiveness. It must kill the bugs and insect pests—but effectiveness must be so skillfully obtained that the Green will not injure the foliage on which it is applied. The cure is worse than the disease when a man sprays to kill bugs and injures his plants.

Free arsenic is what injures foliage. Consequently the less free arsenic Paris Green contains the better for the plants it is applied on. As a result of their many years of experience, the house of Ansbacher produces arsenic according to Government regulations, so in spite of its "quick death" quality—its unusual effectiveness—it will not injure the plants or foliage. It is agriculturally safe to use.

To spray economically you should be able to project your liquid considerable distances. To be effective the spray must be even. Ansbacher's Paris Green is light in gravity—this insures its staying in suspension when mixed in the spraying liquid and you can spray good distances with the assurance that you are putting on an even, uniform, effective charge of the Paris Green.

Then too, Ansbacher's Paris Green absorbs the maximum amount of moisture and stays where it is sprayed or dusted. Even heavy dews will not wash it off.

Ansbacher's Paris Green is a strong poison which kills the bugs and pests and does not injure the growing things which it is designed to protect. Its use spells safety and effectiveness.

**PARIS GREEN** is a stomach poison which has been used for many years. In order to prevent injury to the foliage, it is always desirable to add some lime to the preparation of the spray. One pound of lime and one pound of Paris Green are used with 75 to 200 gallons of water, depending upon the susceptibility of the foliage to burning. It is always safer to have a slight excess of lime in the mixture. The Paris Green becomes more thoroughly diffused in the water if it is first mixed to a paste.  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; 1 lb., 60c. Ask for prices in larger lots.

**SCALECIDE**—A spray for scale. Dilute 1 gal. to 15 gals. of water. 1 qt., 75c; 1 gal., \$1.75; 5 gals., \$7.00.

**SLUG SHOT**—It kills potato bugs in all stages of growth, except in the eggs. It kills the black fleas on cabbages, turnips, beets, radishes and egg plants. Apply by dusting over the plants. It kills the cabbage worm and also the currant and gooseberry worm, the aphid or green fly on roses and other flowers. Has prevented the ravages of the curculio and canker worm on fruit trees, has likewise been used around beans, melons, squashes, etc., with great success. Keeps the striped bug from all vine crops.

**FOR SLUGS ON ROSES**—Slug Shot is a sure killer. Apply with a dust-sprayer after a dew or rain, on both under and upper side of leaf. Price per 5 lbs., 60c; 10 lbs., \$1.10.

Cartons with perforated tops, 1 lb., Slug Shot in each, 20c; postage extra.

**SULPHUR** (Powdered)—For mildew. Lb., 15c; 5 lbs., 60c.

**\*SULFOCID**—Effective against some fungus diseases of certain fruits, vegetables and flowers, non-poisonous. Dilutes 1 gallon to 200 gallons of water. 1 pt., 50c; 1 qt., 75c.

**SWEENEY'S POISON WHEAT**—Sure death to mice, rats, moles and gophers. Pkg., 15c; large box, 75c.

## Tree Tanglefoot



**TREE**—To protect trees against all climbing insect pests in the most effectual, economical and simple way, use **TREE TANGLEFOOT**. A sticky substance applied directly to tree trunks. Will not injure trees. Once applied remains sticky three to four months in all kinds of weather, or ten to twenty times as long as any other known substance. Easily applied with wooden paddle. A pound makes about 9 lineal feet of band. Needs no mixing, always ready for use. Far superior to burlap bands, that require daily inspection to give partial protection, while **TREE TANGLEFOOT** bands require only an occasional inspection to give absolute protection.

Also better than bands of cotton batting, fly paper, printer's ink, tar or any similar substances.

Especially recommended against Gypsy, Brown-tail and Tussock Moth Caterpillars, Spring and Fall Canker Worms, Climbing Cut Worms, Bag Worms and Ants.

**TREE TANGLEFOOT** is better than anything on the market for Tree Surgery—it will absolutely waterproof the crotch of the tree or a cavity or wound in a tree when nothing else will do it.

It is also unequalled for the treatment of trees after trimming or pruning. **TREE TANGLEFOOT** never hardens, hence there is no cracking, but substance remains always pliable, and the one application lasts for years all the time wholly impervious to air and water. 1-lb. cans, 60c; 5-lb. cans, \$2.75; 10-lb. cans, \$5.25; 25-lb. pail, \$11.00.

**\*TOBACCO DUST**—Fine. Used for fumigating and for dusting plants effected with aphids. 1 lb., 15c; 3 lbs., 35c; 25 lbs., \$2.00; 100 lbs., \$5.50.

**\*TOBACCO STEMS**—used for fumigating and as a fertilizer. Bale, about 100 lbs., \$4.50.

**THRIP JUICE**—A contact insecticide for destroying sucking insects, such as Aphid or Plant Lice, Red Spider, Black Fly, Thrips, White Fly, Soft Scale and Mealy Bugs. Can be used in either greenhouses, hotbeds and is very valuable for outside work. To be diluted with water to the extent of one portion of Thrip Juice to 40 parts of water. Price,  $\frac{1}{2}$ -pint can, 60c; 1-pint can, \$1.00.

**WEED KILLER**—Destroys Poison Ivy, Weeds and Grass on paths among cobble or brick gutters, or anywhere that vegetation is not wanted. To be diluted at the rate of 1 gallon to 30 or 40 gallons of water. Price, 1 qt., 75c; gal. can, \$2.00.

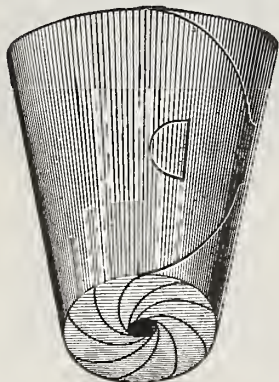


## MISCELLANEOUS SUPPLIES



**PLANT TUBS**—Made of cedar with electric welded hoops; painted green, with drop handles, presenting a very neat appearance. Six sizes, measuring across top on inside. Price, each, 8-inch, \$1.35; 10-inch, \$1.60; 12-inch, \$2.25; 14-inch, \$3.00; 16-inch, \$3.75; 18-inch, \$4.75; 20-inch, \$5.50.

Handles 30c extra.



PAPER FLOWER POT

**PLAIN PAPER FLOWER POTS**—Waterproof; just the thing for potting bedding plants, tomatoes and pepper plants. 3 sizes, 2½-inch, per doz., 20c; per 100, \$1.00; 500 for \$4.00; 1,000 for \$7.00. 3-inch, per doz., 25c; per 100, \$1.25; 500 for \$5.00; 1,000 for \$9.00. 4-inch, per doz., 35c; per 100, \$2.00.

**CANE PLANT STAKES**—Light, strong cane stakes for supporting flower and vegetable plants. Run from 6 to 8 feet in length. Can be cut in half and used for gladiolus and smaller plants. Per doz., 35c; per 100, \$2.00; 500, \$7.50; per 1,000, \$13.50.

**EXTRA HEAVY CANE STAKES**—Doz., 50c; per 100, \$4.00.

**POT PLANT STAKES, DYED GREEN**—Just the thing for Easter Lilies and potted plants of that kind, which need support.

2-ft., per doz., 20c; per 100, \$1.25; per 1,000, \$9.00.

3-ft., per doz., 25c; per 100, \$1.50; per 1,000, \$10.00.

## LABELS, POT AND TREE

**TREE LABELS**—3½ inches; notched and copper wired. Per 100, 40c; per 1,000, \$2.50.

Special price will be quoted for large lots.

	Per Doz.	Plain Per 100	Plain Per 1,000
<b>POT LABELS—</b>			
4-in. Wooden .....	\$0.05	\$0.30	\$1.85
5-in. Wooden .....	.05	.35	2.00
6-in. Wooden .....	.10	.40	3.00
10-in. Wooden .....	.15	1.20	9.50
12-in. Wooden .....	.20	1.50	12.50

## CYCLONE SEEDERS

**CAHOON SEEDER**—All metal broadcast grass and grain seeder; will sow from 4 to 6 acres per hour; hopper holds 22 quarts. Price, each, \$5.50.

**CYCLONE SEEDER**—A good all around wood and metal crank broadcast seeder, regular size. Each, \$2.25.

**LITTLE WONDER**—Same as the Cyclone, only smaller. Each, \$2.00.

**TIN HORN SEEDER**—Each, \$1.25.

## The "LITTLE WONDER"

Trade Mark

## HEDGE TRIMMER

A newly patented machine, cutting on the same plan as a mowing machine, that we are convinced will revolutionize trimming. Cuts from five to ten times as fast as by hand and does better work. Can be adjusted for use by tall or short operators. Especially adapted for cemeteries and large estates, where it will save its cost in a single season. A wonderful time saver for those making a business of hedge trimming. Each, \$25.00, complete.



**TREE WRAPERS**—Made of wood; used for protecting young fruit trees; come 100 in a bundle. Per 100, \$1.15; per 1,000, \$9.50.

**GRAFTING WAX**—¼-lb. pkg., 25c; ½-lb. pkg., 40c; 1-lb. pkg., 75c.

**COTTON TWINE**—4-ply, in balls, packed, 5 lbs. in a package. For tying vegetables. Per 5-lb. pkg., each, \$3.50.

**JUTE TWINE**—For sewing sacks; also for tying grape vines. Per 5-ft. skein, 20c each; 10 for \$1.75.

**BLUE GRASS STRIPPERS**—Hand strippers that do the work successfully and are just the thing where there is not enough blue grass to warrant the expense of using a power machine. Each, \$2.75.

**WIRE HANGING BASKETS**—Extra heavy wire hanging baskets, made by hand, much more substantial than most baskets offered by some stores. Painted green. In four sizes: 8-inch, each, 25c; 10-inch, each, 35c; 12-inch, each, 40c; 14-inch, each, 60c.

We can also supply green sheet moss for lining baskets.

## FLOWER POTS

**BULB AND AZALEA POTS, PORCH JARDINIERES, LILY BOWLS**

Florists, Ask for Wholesale Price Lists

## STANDARD FLOWER POTS

Size of Pots	Pots			Saucers	
	Each	Dozen	Per 100	Each	Dozen
2 inches .....	\$0.02	\$ 0.20	\$ 1.50	.....	.....
2¼ inches .....	.03	.25	1.75	.....	.....
2½ inches .....	.04	.30	2.00	.....	.....
3 inches .....	.05	.50	2.75	.....	.....
4 inches .....	.10	.75	4.50	\$0.05	\$0.50
5 inches .....	.15	1.25	6.50	.07	.75
6 inches .....	.20	1.75	10.00	.10	1.10
7 inches .....	.25	2.75	16.00	.15	1.50
8 inches .....	.50	5.00	.....	.20	2.25
9 inches .....	.60	6.00	.....	.30	3.25
10 inches .....	.85	8.00	.....	.45	5.00
12 inches .....	1.50	15.00	.....	.75	8.50

Bulb and Azalea Pots, same price as Standard Pots.





1



2

1. SOIL THERMOMETER—Brass pointed, brass cylinder, 16 inches long. Each, \$2.25.

2. ASPARAGUS KNIFE—Trowel shank, blade 15½ inches long. Each, 75c.

3. PLANT SPRINKLER—Made of rubber, 7-oz. capacity. Each, \$1.25.

4. WEEDER (Hand) Hazeltine—All steel and the most practical hand tool for cultivating small produce. Each, 60c.

5. NORCROSS CULTIVATOR—The well known Norcross cultivators will cultivate closer to plants without injuring them than any other type of implement, leaving the soil level, loose and untrampled. Comes in three sizes, 5-prong, 4-ft. handle, \$1.25 each; 3-prong, 4-ft handle, \$1.00 each; 3-prong, 9-inch handle, 60c each.

6. PRUNING SHEARS—Steel blades, pressure springs. Each, \$1.50.

7. EXCELSIOR HAND WEEDER—Valuable for breaking up crusts and general cultivation of flower beds. Each, 20c.

8. GRASS SHEARS—Hardened Steel Blades. Each, 75c.

9. TROWELS—Common, each, 25c; Medium weight, 50c; all steel with solid shank, 75c each.

10. GRASS EDGER—4 ft. handle, steel blade. Each, \$1.50.

11. JACKSON ONION HOE—A small hand weeder, particularly adapted for weeding onions. Each, 60c.

12. SHARP SHOOTER. Each, \$2.25.

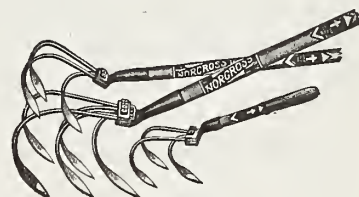
13. PUTTY DISTRIBUTOR—For greenhouse putty, made of rubber. Each, \$1.50.



3



4



5



6



7



8



9



10



11



13



12



## HIGH GRADE FERTILIZERS

### WIZARD SHEEP MANURE



**WIZARD SHEEP MANURE**—Is a concentrated natural plant food and soil-builder. Convenient, easy to use, and is good for every thing that grows. It is carefully prepared by an extensive process of direct heat, drying, sterilizing and grinding. A safe and dependable fertilizer for finest landscape and garden use, and for all crops.

**FOR LAWNS**—It promotes strong, healthy growth and a bright green velvety turf. Ten pounds for each 100 square feet should be worked into the soil before seeding, or scatter broadcast over old lawn, and wet down. No weeds—no litter—quick and pleasing results are certain.

**FOR FLOWERS, SHRUBS, VINES, TREES, ETC.**—Nothing else will produce foliage and force blooming like Wizard Sheep Manure. It's just what nature needs to make things grow. One pound for each 10 square feet of surface, well mixed into the soil before planting, and one to ten pounds dug in around vines, shrubs, trees, etc., is sufficient. Vary quantity, depending on size and root development.

**VEGETABLES AND FRUIT**—These require the richest kind of soil to make them pay for time and labor. Wizard Sheep Manure is the best fertilizer for the home gardener or professional truck and fruit grower. Apply liberally and mix deeply into the soil before planting. Use six to ten pounds for each 100 square feet. Apply as side dressing around hills and along the row during growing season. It forces growth and increases production of all kinds of vegetables and fruits. Dig it into soil around bushes, vines and trees. The effects will show in a few days.

5-lb. box, 45c; 10-lb. box, 65c; 25-lb. bag, \$1.00; 50-lb. bag, \$1.45; 100-lb. bag, \$2.50; 500 lbs., \$11.25; 1,000 lbs. for \$20.00; 2,000 lbs. for \$36.00.

Prices in carload lots quoted on request.

### DRIED BLOOD

For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Price, 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.40; 50 lbs., \$3.90; 100 lbs., \$6.65; 250 lbs., \$15.80; 500 lbs., \$28.50.

### PROSPERITY LAWN FOOD

Continuous cropping with one crop impoverishes the richest soil. Grass is no exception and when not fed with proper food, the soil turns sour. Grass is a permanent crop and requires richer feeding than most crops. Thus you can see that we can't begin to feed our lawn too soon.

If our lawn, shrubs, and flowers are to make a vigorous growth all during the growing season, it is necessary that they be supplied with a continuous supply of nitrogen, phosphorus and potassium.

Prosperity Shrub Food applied to shrubs and flowering plants causes the stems and leaves to grow vigorously. The leaves will be unusually dark green and the blossoms large and deeply colored. Applied to flower beds before planting, it starts the seeds or young transplanted plants off with a rush.

Prosperity Shrub Food is sold at the following prices, f. o. b. Kansas City, Mo.:

10-lb. bag, \$1.45; 25-lb. bag, \$2.95.  
25-lb. bag, \$2.45; 50-lb. bag, \$4.45; 100-lb. bag, \$7.90; 500 pounds, per 100 lbs., \$7.75; 1,000 pounds, per 100 lbs., \$7.60; 2,000 pounds, per 100 lbs., \$7.45.



Prosperity Lawn Food produced this result in 15 days on well nourished lawn.

### ACID PHOSPHATE

Sixteen per cent available. Animal or bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.

Price, 25 lbs., \$1.10; 50 lbs., \$1.55; 100 lbs., \$2.20; 250 lbs., \$5.00; 500 lbs., \$8.70; 1,000 lbs., \$14.80; 2,000 lbs., \$28.60.

### NITRATE OF SODA

Nitrate of Soda is not a substitute for other manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops, you must in some way furnish the plants with Nitrogen. No matter what manure or fertilizer is used, the Nitrogen must be converted into Nitrate before the plants can use it. Price (subject to market changes), per lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 100 lbs., \$6.00.

#### HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top dressing at the rate of 100 pounds per acre on the following vegetables, when the plants are well established. Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.

For Asparagus, a top dressing of 250 lbs. per acre just as soon as the first shoots make their appearance.

For Strawberries, a top dressing of about 100 lbs. per acre after the plants have blossomed.

For the Home Garden, apply as a solution, one ounce to two gallons of water.

We will make special prices in large lots. Write us, giving quantities wanted.

### FINE BONE MEAL

It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4½ to 5½ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. Price, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.55; 50 lbs., \$2.25; 100 lbs., \$4.00; 500 lbs., \$15.00; 1,000 lbs., \$26.50; 2,000 lbs., \$52.00.

**QUANTITY REQUIRED**—For permanent pasture and mowing lands ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1,000 to 1,500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs., per 100 square feet.

### STIM-U-PLANT

These Tablets are the Last Word in Modern Gardening Efficiency

All growing plants must be fed if you expect to produce results, and they respond in a remarkable way to proper feeding. Everything you grow depends on fertilization. STIM-U-PLANT will make flowering plants bloom freely and hold their blossoms longer; foliage plants quickly put on new growth; vegetable crops, berry bushes, fruit and other trees increase production, so it pays for itself many times over in a season.

Many fertilizers are slow-acting, their percentage of actual plant food ingredients low and unevenly proportioned. STIM-U-PLANT has guaranteed analysis of 11 per cent nitrogen. 12 per cent phosphoric acid, 15 per cent potash.

Simply insert tablets in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order Stim-U-Plant tablets with your seed and plant order. Small size, 25c; 100 tablets, 75c; 1,000, \$3.50.

### HYDRATED LIME

10 lbs., 40c; 50-lb. bags, \$1.50; 5 bags, \$1.35 per bag.



## No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, Complete, \$21.00.  
Weight, 49 lbs.

As a Seeder Only, \$16.50.  
Holds  $2\frac{1}{2}$  Quarts  
of Seed.



This tool combines in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow. In a word, with a great variety of tools, excellent design and quality, it is without an equal for easy adjustment, lightness, strength and beauty.

## No. 3 Planet Jr. Hill and Drill Seeder

Price, \$20.00

15-in. Steel Driving Wheel. Holds 3 Quarts of Seed.  
Weight, packed, 44 lbs.

A favorite among onion growers, market gardeners and seedmen.

The special force feed is admirable, working equally well whether sowing with an ounce or a full hopper.

The hill dropping is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart.

Change of distance between hills may be made in less than one minute, by substituting one gauge wheel for another.



Alfalfa, clovers, soy beans, vetches, peas, beans, cow peas, peanuts, and other legumes should always be inoculated with Nitragin. The lack of necessary bacteria in the soil is often the cause of a poor legume crop—a weak start—or a total failure.

## How to Order Nitragin

Culture "A"—Alfalfa, all Sweet Clovers (including Hubam), and Bur Clover.

Culture "B"—Clovers, Red Clover, Mammoth Red Clover, Alsike, Crimson and White Clover.

Culture "C"—Field and Garden Peas, Vetches (Hairy, Spring, Wild), Broad Bean, Sweet Peas, Perennial Peas and Lentils.

Culture "D"—Field and Garden Beans (including Navy, Kidney, and Scarlet Runner Beans).

Culture "E"—Cow Peas, Lima Beans, Velvet Beans, Partridge Peas, Japan Clover, and Peanuts.

Culture "S"—Soy Beans (all types).

Garden Nitragin—For Garden Peas, Sweet Peas, Beans, and Lima Beans (three-in-one).

All cultures, except Garden Nitragin and Specials, are listed as  $\frac{1}{4}$ -bu.,  $\frac{1}{2}$ -bu. and 5-bu. sizes.

$\frac{1}{4}$ -bu. size can.....	Each, \$0.40
$\frac{1}{2}$ -bu. size can.....	Each, .60
1 -bu. size can.....	Each, 1.00
5 -bu. size can.....	Each, 4.75

## GARDEN SIZE NITRAGIN

For Peas, Sweet Peas, Beans, and Lima Beans. Pkg., 20c; dozen, \$2.25.

## No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow

Price, \$25.00

Weight, packed, 59 lbs. Holds  $2\frac{1}{2}$  Qts. of Seed.

As a seeder it is practically the same as the Planet Jr. No. 4; will sow in drills any thickness or drop in hills, 4, 6, 8, 12 or 14 inches apart, and has the same feed, hill dropping mechanism, and automatic device for stopping the feed, and has also the new seed index.

## No. 31 Planet Jr. Combined Seeder and Wheel Hoe

FOR THE HOME GARDENER

Price, complete, \$14.00.

Holds 1 quart.

The No. 31 is a new Planet Jr., Combined Seeder and Wheel Hoe, designed for small gardeners. It combines a thoroughly reliable Seeder that will sow all garden seeds from the smallest up to peas and beans with a first-class light running Wheel Hoe. A practical tool for a man, the growing boy or the woman who delights in having a good garden, but who has little time to spend in it.

## No. 33 Planet Jr. Single Wheel Hoe

The Cultivator for the Home Gardener.

Price, complete, \$7.00.

## No. 12 Double Wheel Cultivator

This tool has one pair plows, one pair hoes and four cultivator teeth. The tools sold with No. 12 are what gardeners use most, and others can be added as wanted.

Each, \$12.50.

## No. 13 Double Wheel Hoe

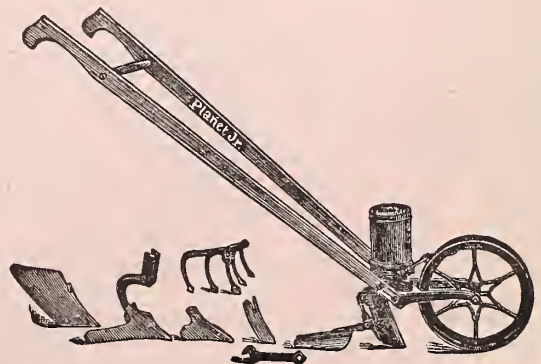
This tool is the No. 12, with 6-inch hoes only, these being the tools that are most generally useful. Any or all the other tools shown with No. 12 may be added at any time.

Each, \$9.00.

## No. 8 Planet Jr. Horse Hoe and Cultivator

No other cultivating machine is so widely known as the Planet Jr. Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. It opens and closes furrows, hoes right up to the plants without danger of injuring, throws dirt to or from the row and throws back from center again. You can cultivate to any depth desired and adjust for any width.

Each, \$21.00.





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## Sow Harnden's Lawn Mixtures

### QUICKER GERMINATION—BETTER LAWNS

Our special brands of lawn grass seed are noted for their adaptability to various situations and soil conditions, and are now used in many sections of the country for making private lawns, and also on the grounds of country clubs, golf links, etc.

**QUANTITIES TO USE**—1 lb. for 400 square feet; 10 lbs. for 4,000 square feet; 25 lbs. for one-fourth acre; 50 lbs. for one-half acre; 100 lbs. for one acre. If intended to sow an old lawn about one-half of the above quantities are sufficient for the spaces given.

**SPECIAL MIXTURES**—We are at all times prepared to make up special mixtures of grasses for golf courses, ball grounds, polo grounds, parks, etc. We will be glad to figure with committees and give what information regarding the sowing of any plot of ground under prevailing conditions.

#### K. C. BRAND "NEW GROUND" EVERGREEN LAWN GRASS

A special mixture of fine leaved short grasses best suited for sowing on new ground. The body is composed of Kentucky Blue Grass but enough fast growing grasses have been added to get quick results; at the same time to form protection for the Kentucky Blue Grass, which, when young, is very tender and much slower in growth. These fast growing grasses will eventually be crowded out, leaving a beautiful Blue Grass lawn which, if properly taken care of, will last forever. We have spent considerable time in experimenting on this lawn grass and offer our customers something that we know will give results.

Price, by mail, postpaid, 50c per lb.; by express or freight at purchaser's expense, per lb., 45c; 10 lbs., for \$4.00; per 100 lbs., \$35.00.

#### K. C. BRAND "SHADYNOOK" LAWN GRASS SEED

On nearly all lawns there are unsightly bare spots under the shade of trees which have baffled all efforts to get into grass, but with this mixture there need be no further difficulty. It is a combination of fine, dwarf growing evergreen varieties, which in their wild or natural state are to be found growing in the woods or other sheltered and shaded spots. Ground that has been densely shaded by trees is frequently "sour," and if the drainage is defective it is apt to be covered with moss and coarse bog grasses. In such cases an application of slaked lime, at the rate of one bushel to each thousand square feet or forty bushels to the acre, is an excellent corrective and sweetener, but the moss should first be removed by the use of a sharp rake.

Price, by mail, postpaid, 50c per lb.; by express or freight at purchaser's expense, per lb., 45c; 10 lbs., for \$4.00; per 100 lbs., \$35.00.

#### K. C. BRAND KENTUCKY BLUE GRASS

In the spring of the year there are in most every lawn thin and bare spots which are caused by ice and exposure during the cold winter months. These spots may be renewed by resowing Kentucky Blue Grass Seed. In fact, to keep a lawn in good condition, Kentucky Blue Grass should be sown twice a year, both in the fall and early spring.

Price, by mail, postpaid, 55c per lb.; by express or freight at purchaser's expense, per lb., 45c; 10 lbs., 40c per lb.

#### K. C. BRAND "TERRACE SOD" LAWN GRASS SEED

A special mixture of grasses best suited for sowing on terrace embankments and hillsides; grasses that produce long, strong spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, velvety green turf of fine-leaved grasses throughout the season.

The difficulty to be overcome in getting grass established on slopes is to prevent its being washed out by heavy rains before thoroughly rooted. A continuous run of boards set on edge and held in place by stakes at the crest of the hill will assist in checking and turning the water.

Price, by mail, postpaid, per lb., 80c; by express or freight at purchaser's expense, per lb., 75c; 10 lbs., \$7.00. Special prices for larger quantities.

#### K. C. BRAND "WHITE CLOVER"

We do not use white clover in any of our lawn grass mixtures, as a great many people do not care to have it on their lawns. However, it is used extensively for lawn purposes and will thrive in poor soil with little or no attention. When well established it is hard to kill out and will oftentimes take other grasses when it gets a good start.

Price, by mail, postpaid, 50c per lb.; by express or freight at purchaser's expense, per lb., 45c; 10 lbs., for \$4.00; per 100 lbs., \$35.00.

#### MISCELLANEOUS GRASSES

ITALIAN RYE GRASS—Per lb., 30c; 10 lbs., \$2.50.  
 ENGLISH RYE GRASS—Per lb., 30c; 10 lbs., \$2.50  
 RED TOP—Per lb., 35c; 10 lbs., \$3.00; per 100 lbs., \$25.00.  
 TIMOTHY—Per lb., 15c; 10 lbs., \$1.25.  
 ORCHARD GRASS—Per lb., 40c; 10 lbs., \$3.00.





## NEW BEAUTY ASTERS

This is an extremely valuable addition to our aster collection; of medium size (2 to 3 ft. tall) and multi-florous habit; the blooms are of large size, and have long strong stem without laterals. These characteristics contribute to a real garden value in addition to the usual value as a cutting flower.

Rose Pink.....	} Each, per pkt.....25c
White.....	
Purple.....	
Carmine.....	
Lavender.....	

**SPECIAL OFFER**—1 pt. of each of the above colors  
for .....\$1.00



## SPECIAL OFFER OF NEW GIANT DAHLIA FLOWERING ZINNIA

**GOLDEN STATE**—A rich orange yellow when in full bloom. Yellow in the bud.

**GIANT ATTRACTION**—A distinct shade of spectrum Red which carries its color well from the bud. An immense ball of color when in full bloom.

**EXQUISITE**—Finest of the type. Light Rose with deeper center.

Trial packet, each.....	\$0.25
Trial packet, one of each color.....	.60
Large packet, each.....	.50
Large packet, one of each color.....	1.00